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

DATA PACKAGE

GENERAL CHEMISTRY
METALS

PROJECT NAME : TANK FARM - ACID ANALYSIS

METEM A GE POWER BUSINESS

700 Parsippany Road

Parsippany, NJ - 07054

Phone No: 973-887-6635

ORDER ID : Q1879

ATTENTION : Sundas Pervez

Laboratory Certification ID # 20012

Table Of Contents for Q1879

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Cover Page

Order ID : Q1879

Project ID : Tank Farm - Acid Analysis

Client : METEM A GE POWER Business

Lab Sample Number	Client Sample Number
Q1879-01	STEM-31-SULFURIC-ACID
Q1879-02	STEM-32-NITRIC-ACID
Q1879-03	STEM-46-NITRIC-ACID
Q1879-04	ACID-MIXTURE-TF-CONTAINMENT

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 : _____

Date: 5/6/2025

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: Tank Farm - Acid Analysis
Project # N/A
Chemtech Project # Q1879
Test Name: Metals ICP-TAL,Mercury

A. Number of Samples and Date of Receipt:
4 Water samples were received on 04/24/2025.

B. Parameters:
According to the Chain of Custody document, the following analyses were requested: Acidity, Alkalinity, Ammonia, Anions Group1, Mercury, Metals ICP-TAL, METALS-TAL, pH, Phenolics, TKN and Total Nitrogen. This data package contains results for Metals ICP-TAL,Mercury.

C. Analytical Techniques:
The analysis of Metals ICP-TAL was based on method 6010D, digestion based on method 3010 (waters). The analysis and digestion of Mercury was based on method 7470A.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
Sample STEM-31-SULFURIC-ACID was diluted due to high concentrations for Chromium, Cobalt, Nickel & Sample STEM-32-NITRIC-ACID was diluted due to high concentrations for Cobalt, and Nickel & Sample STEM-46-NITRIC-ACID was diluted due to high concentrations for Nickel & Sample ACID-MIXTURE-TF-CONTAINMENT was diluted due to high concentrations for Cobalt, Nickel.
The Blank Spike met requirements for all samples.
The Blank analysis did not indicate the presence of lab contamination.
The Calibration met the requirements.

E. Additional Comments:

FAX and Hard copy not match Due to In FAX ,Data Reported with OR Flag as preliminary results , after Dilutions were analyzed , Hardcopy Reported with Correct Data. And for Q1879-03 sample, at time of fax its reported with straight 5X Dilution, after its Original sample analyzed which has Nickel parameter high so its reported with Dilution.
Sample Q1879-01, Q1879-02, Q1879-04 was analyzed straight 5X Dilutions due to bad sample matrix.

Due to limited volume of sample, DUP, MS and MSD were not performed for Metals and Mercury test.

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Signature_____

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

CASE NARRATIVE

METEM A GE POWER Business
Project Name: Tank Farm - Acid Analysis
Project # N/A
Chemtech Project # Q1879
Test Name: pH,Alkalinity,Phenolics,TKN,Ammonia,Acidity

A. Number of Samples and Date of Receipt:
4 Water samples were received on 04/24/2025.

B. Parameters:
According to the Chain of Custody document, the following analyses were requested: Acidity, Alkalinity, Ammonia, Anions Group1, Mercury, Metals ICP-TAL, METALS-TAL, pH, Phenolics, TKN and Total Nitrogen. This data package contains results for pH,Alkalinity,Phenolics,TKN,Ammonia,Acidity.

C. Analytical Techniques:
The analysis of pH was based on method 9040C, The analysis of Phenolics was based on method 9065, The analysis of Acidity was based on method SM2310 B, The analysis of Alkalinity was based on method SM2320 B, The analysis of TKN was based on method SM4500 N Org B or C and The analysis of Ammonia was based on method SM4500-NH3.

D. QA/ QC Samples:

The Holding Times were met for all samples except for ACID-MIXTURE-TF-CONTAINMENT of pH, for STEM-31-SULFURIC-ACID of pH.for STEM-32-NITRIC-ACID of pH.for STEM-46-NITRIC-ACID of pH as samples were receive out of holding time.
Sample ACID-MIXTURE-TF-CONTAINMENT was diluted due to high concentrations for Ammonia as N.
The Blank Spike met requirements for all samples.
The 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:

Due to limited volume of sample, 5ML was taken as a initial volume and DUP, MS and MSD was not performed for Ammonia, TKN and Phenolics.

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_____

284 Sheffield Street, Mountainside NJ 07092
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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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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q1879

	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: SOHIL JODHANI **Date:** 05/06/2025

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Hit Summary Sheet
SW-846

SDG No.: Q1879 **Order ID:** Q1879

Client: METEM A GE POWER Business **Project ID:** Tank Farm - Acid Analysis

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : STEM-31-SULFURIC-ACID								
Q1879-01	STEM-31-SULFURIC-ACID	Water	Aluminum	43800	D	28.4	250	ug/L
Q1879-01	STEM-31-SULFURIC-ACID	Water	Arsenic	513	D	12.8	50.0	ug/L
Q1879-01	STEM-31-SULFURIC-ACID	Water	Calcium	146000	D	585	5000	ug/L
Q1879-01	STEM-31-SULFURIC-ACID	Water	Chromium	132000	D	53.0	250	ug/L
Q1879-01	STEM-31-SULFURIC-ACID	Water	Cobalt	98700	D	56.5	750	ug/L
Q1879-01	STEM-31-SULFURIC-ACID	Water	Copper	1350	D	11.5	50.0	ug/L
Q1879-01	STEM-31-SULFURIC-ACID	Water	Iron	39200	D	58.5	250	ug/L
Q1879-01	STEM-31-SULFURIC-ACID	Water	Magnesium	45200	D	610	5000	ug/L
Q1879-01	STEM-31-SULFURIC-ACID	Water	Manganese	654	D	14.9	50.0	ug/L
Q1879-01	STEM-31-SULFURIC-ACID	Water	Mercury	2.60		0.076	0.20	ug/L
Q1879-01	STEM-31-SULFURIC-ACID	Water	Nickel	770000	D	153	2000	ug/L
Q1879-01	STEM-31-SULFURIC-ACID	Water	Potassium	4240	JD	2300	5000	ug/L
Q1879-01	STEM-31-SULFURIC-ACID	Water	Selenium	304	D	24.1	50.0	ug/L
Q1879-01	STEM-31-SULFURIC-ACID	Water	Silver	17.7	JD	4.05	25.0	ug/L
Q1879-01	STEM-31-SULFURIC-ACID	Water	Sodium	69300	D	2170	5000	ug/L
Q1879-01	STEM-31-SULFURIC-ACID	Water	Thallium	140	D	10.9	100	ug/L
Q1879-01	STEM-31-SULFURIC-ACID	Water	Zinc	1470	D	41.7	100	ug/L
Client ID : STEM-32-NITRIC-ACID								
Q1879-02	STEM-32-NITRIC-ACID	Water	Aluminum	47000	D	28.4	250	ug/L
Q1879-02	STEM-32-NITRIC-ACID	Water	Arsenic	262	D	12.8	50.0	ug/L
Q1879-02	STEM-32-NITRIC-ACID	Water	Beryllium	4.17	JD	1.40	15.0	ug/L
Q1879-02	STEM-32-NITRIC-ACID	Water	Calcium	83200	D	585	5000	ug/L
Q1879-02	STEM-32-NITRIC-ACID	Water	Chromium	67400	D	5.30	25.0	ug/L
Q1879-02	STEM-32-NITRIC-ACID	Water	Cobalt	75400	D	56.5	750	ug/L
Q1879-02	STEM-32-NITRIC-ACID	Water	Copper	191	D	11.5	50.0	ug/L
Q1879-02	STEM-32-NITRIC-ACID	Water	Iron	1710	D	58.5	250	ug/L
Q1879-02	STEM-32-NITRIC-ACID	Water	Magnesium	26700	D	610	5000	ug/L
Q1879-02	STEM-32-NITRIC-ACID	Water	Nickel	509000	D	76.5	1000	ug/L
Q1879-02	STEM-32-NITRIC-ACID	Water	Selenium	404	D	24.1	50.0	ug/L
Q1879-02	STEM-32-NITRIC-ACID	Water	Sodium	42300	D	2170	5000	ug/L
Q1879-02	STEM-32-NITRIC-ACID	Water	Zinc	533	D	41.7	100	ug/L
Client ID : STEM-46-NITRIC-ACID								
Q1879-03	STEM-46-NITRIC-ACID	Water	Aluminum	4270		11.3	100	ug/L
Q1879-03	STEM-46-NITRIC-ACID	Water	Arsenic	78.5		5.12	20.0	ug/L
Q1879-03	STEM-46-NITRIC-ACID	Water	Calcium	50900		234	2000	ug/L
Q1879-03	STEM-46-NITRIC-ACID	Water	Chromium	23800		2.12	10.0	ug/L

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Hit Summary Sheet
SW-846

SDG No.: Q1879 **Order ID:** Q1879

Client: METEM A GE POWER Business **Project ID:** Tank Farm - Acid Analysis

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q1879-03	STEM-46-NITRIC-ACID	Water	Cobalt	7200		2.26	30.0	ug/L
Q1879-03	STEM-46-NITRIC-ACID	Water	Copper	2220		4.60	20.0	ug/L
Q1879-03	STEM-46-NITRIC-ACID	Water	Iron	39000		23.4	100	ug/L
Q1879-03	STEM-46-NITRIC-ACID	Water	Magnesium	16400		244	2000	ug/L
Q1879-03	STEM-46-NITRIC-ACID	Water	Manganese	380		5.94	20.0	ug/L
Q1879-03	STEM-46-NITRIC-ACID	Water	Nickel	71600	D	15.3	200	ug/L
Q1879-03	STEM-46-NITRIC-ACID	Water	Potassium	1230	J	918	2000	ug/L
Q1879-03	STEM-46-NITRIC-ACID	Water	Selenium	39.1		9.64	20.0	ug/L
Q1879-03	STEM-46-NITRIC-ACID	Water	Silver	2.98	J	1.62	10.0	ug/L
Q1879-03	STEM-46-NITRIC-ACID	Water	Sodium	28900		868	2000	ug/L
Q1879-03	STEM-46-NITRIC-ACID	Water	Thallium	13.8	J	4.38	40.0	ug/L
Q1879-03	STEM-46-NITRIC-ACID	Water	Vanadium	15.2	J	6.26	40.0	ug/L
Q1879-03	STEM-46-NITRIC-ACID	Water	Zinc	116		16.7	40.0	ug/L
Client ID :	**ACID-MIXTURE-TF-CONTAINMENT**							
Q1879-04	ACID-MIXTURE-TF-CONTAIN	Water	Aluminum	58400	D	28.4	250	ug/L
Q1879-04	ACID-MIXTURE-TF-CONTAIN	Water	Arsenic	447	D	12.8	50.0	ug/L
Q1879-04	ACID-MIXTURE-TF-CONTAIN	Water	Barium	140	JD	36.4	250	ug/L
Q1879-04	ACID-MIXTURE-TF-CONTAIN	Water	Beryllium	8.86	JD	1.40	15.0	ug/L
Q1879-04	ACID-MIXTURE-TF-CONTAIN	Water	Calcium	403000	D	585	5000	ug/L
Q1879-04	ACID-MIXTURE-TF-CONTAIN	Water	Chromium	61000	D	5.30	25.0	ug/L
Q1879-04	ACID-MIXTURE-TF-CONTAIN	Water	Cobalt	89300	D	56.5	750	ug/L
Q1879-04	ACID-MIXTURE-TF-CONTAIN	Water	Copper	6970	D	11.5	50.0	ug/L
Q1879-04	ACID-MIXTURE-TF-CONTAIN	Water	Iron	1740000	D	58.5	250	ug/L
Q1879-04	ACID-MIXTURE-TF-CONTAIN	Water	Magnesium	50900	D	610	5000	ug/L
Q1879-04	ACID-MIXTURE-TF-CONTAIN	Water	Manganese	10800	D	14.9	50.0	ug/L
Q1879-04	ACID-MIXTURE-TF-CONTAIN	Water	Mercury	1.39		0.076	0.20	ug/L
Q1879-04	ACID-MIXTURE-TF-CONTAIN	Water	Nickel	629000	D	76.5	1000	ug/L
Q1879-04	ACID-MIXTURE-TF-CONTAIN	Water	Potassium	2290000	D	2300	5000	ug/L
Q1879-04	ACID-MIXTURE-TF-CONTAIN	Water	Selenium	2080	D	24.1	50.0	ug/L
Q1879-04	ACID-MIXTURE-TF-CONTAIN	Water	Silver	50.7	D	4.05	25.0	ug/L
Q1879-04	ACID-MIXTURE-TF-CONTAIN	Water	Sodium	344000	D	2170	5000	ug/L
Q1879-04	ACID-MIXTURE-TF-CONTAIN	Water	Thallium	595	D	10.9	100	ug/L
Q1879-04	ACID-MIXTURE-TF-CONTAIN	Water	Vanadium	27.1	JD	15.7	100	ug/L
Q1879-04	ACID-MIXTURE-TF-CONTAIN	Water	Zinc	31000	D	41.7	100	ug/L

SAMPLE DATA

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

Report of Analysis

Client:	METEM A GE POWER Business	Date Collected:	04/23/25
Project:	Tank Farm - Acid Analysis	Date Received:	04/24/25
Client Sample ID:	STEM-31-SULFURIC-ACID	SDG No.:	Q1879
Lab Sample ID:	Q1879-01	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.
7429-90-5	Aluminum	43800	D	5	28.4	250	ug/L	04/25/25 10:05	04/25/25 15:36	SW6010	SW3010
7440-36-0	Antimony	16.9	UD	5	16.9	125	ug/L	04/25/25 10:05	04/25/25 15:36	SW6010	SW3010
7440-38-2	Arsenic	513	D	5	12.8	50.0	ug/L	04/25/25 10:05	04/25/25 15:36	SW6010	SW3010
7440-39-3	Barium	36.4	UD	5	36.4	250	ug/L	04/25/25 10:05	04/25/25 15:36	SW6010	SW3010
7440-41-7	Beryllium	1.40	UD	5	1.40	15.0	ug/L	04/25/25 10:05	04/25/25 15:36	SW6010	SW3010
7440-43-9	Cadmium	1.25	UD	5	1.25	15.0	ug/L	04/25/25 10:05	04/25/25 15:36	SW6010	SW3010
7440-70-2	Calcium	146000	D	5	585	5000	ug/L	04/25/25 10:05	04/25/25 15:36	SW6010	SW3010
7440-47-3	Chromium	132000	D	50	53.0	250	ug/L	04/25/25 10:05	04/25/25 16:17	SW6010	SW3010
7440-48-4	Cobalt	98700	D	50	56.5	750	ug/L	04/25/25 10:05	04/25/25 16:17	SW6010	SW3010
7440-50-8	Copper	1350	D	5	11.5	50.0	ug/L	04/25/25 10:05	04/25/25 15:36	SW6010	SW3010
7439-89-6	Iron	39200	D	5	58.5	250	ug/L	04/25/25 10:05	04/25/25 15:36	SW6010	SW3010
7439-92-1	Lead	5.75	UD	5	5.75	30.0	ug/L	04/25/25 10:05	04/25/25 15:36	SW6010	SW3010
7439-95-4	Magnesium	45200	D	5	610	5000	ug/L	04/25/25 10:05	04/25/25 15:36	SW6010	SW3010
7439-96-5	Manganese	654	D	5	14.9	50.0	ug/L	04/25/25 10:05	04/25/25 15:36	SW6010	SW3010
7439-97-6	Mercury	2.60		1	0.076	0.20	ug/L	04/25/25 10:15	04/25/25 13:39	SW7470A	
7440-02-0	Nickel	770000	D	100	153	2000	ug/L	04/25/25 10:05	04/25/25 16:33	SW6010	SW3010
7440-09-7	Potassium	4240	JD	5	2300	5000	ug/L	04/25/25 10:05	04/25/25 15:36	SW6010	SW3010
7782-49-2	Selenium	304	D	5	24.1	50.0	ug/L	04/25/25 10:05	04/25/25 15:36	SW6010	SW3010
7440-22-4	Silver	17.7	JD	5	4.05	25.0	ug/L	04/25/25 10:05	04/25/25 15:36	SW6010	SW3010
7440-23-5	Sodium	69300	D	5	2170	5000	ug/L	04/25/25 10:05	04/25/25 15:36	SW6010	SW3010
7440-28-0	Thallium	140	D	5	10.9	100	ug/L	04/25/25 10:05	04/25/25 15:36	SW6010	SW3010
7440-62-2	Vanadium	15.7	UD	5	15.7	100	ug/L	04/25/25 10:05	04/25/25 15:36	SW6010	SW3010
7440-66-6	Zinc	1470	D	5	41.7	100	ug/L	04/25/25 10:05	04/25/25 15:36	SW6010	SW3010

Color Before:	Light Blue	Clarity Before:	Cloudy	Texture:	
Color After:	Light Blue	Clarity After:	Clear	Artifacts:	
Comments:	METALS-TAL				

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

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	METEM A GE POWER Business	Date Collected:	04/24/25
Project:	Tank Farm - Acid Analysis	Date Received:	04/24/25
Client Sample ID:	STEM-32-NITRIC-ACID	SDG No.:	Q1879
Lab Sample ID:	Q1879-02	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.
7429-90-5	Aluminum	47000	D	5	28.4	250	ug/L	04/25/25 10:05	04/25/25 15:40	SW6010	SW3010
7440-36-0	Antimony	16.9	UD	5	16.9	125	ug/L	04/25/25 10:05	04/25/25 15:40	SW6010	SW3010
7440-38-2	Arsenic	262	D	5	12.8	50.0	ug/L	04/25/25 10:05	04/25/25 15:40	SW6010	SW3010
7440-39-3	Barium	36.4	UD	5	36.4	250	ug/L	04/25/25 10:05	04/25/25 15:40	SW6010	SW3010
7440-41-7	Beryllium	4.17	JD	5	1.40	15.0	ug/L	04/25/25 10:05	04/25/25 15:40	SW6010	SW3010
7440-43-9	Cadmium	1.25	UD	5	1.25	15.0	ug/L	04/25/25 10:05	04/25/25 15:40	SW6010	SW3010
7440-70-2	Calcium	83200	D	5	585	5000	ug/L	04/25/25 10:05	04/25/25 15:40	SW6010	SW3010
7440-47-3	Chromium	67400	D	5	5.30	25.0	ug/L	04/25/25 10:05	04/25/25 15:40	SW6010	SW3010
7440-48-4	Cobalt	75400	D	50	56.5	750	ug/L	04/25/25 10:05	04/25/25 16:21	SW6010	SW3010
7440-50-8	Copper	191	D	5	11.5	50.0	ug/L	04/25/25 10:05	04/25/25 15:40	SW6010	SW3010
7439-89-6	Iron	1710	D	5	58.5	250	ug/L	04/25/25 10:05	04/25/25 15:40	SW6010	SW3010
7439-92-1	Lead	5.75	UD	5	5.75	30.0	ug/L	04/25/25 10:05	04/25/25 15:40	SW6010	SW3010
7439-95-4	Magnesium	26700	D	5	610	5000	ug/L	04/25/25 10:05	04/25/25 15:40	SW6010	SW3010
7439-96-5	Manganese	14.9	UD	5	14.9	50.0	ug/L	04/25/25 10:05	04/25/25 15:40	SW6010	SW3010
7439-97-6	Mercury	0.076	U	1	0.076	0.20	ug/L	04/25/25 10:15	04/25/25 13:41	SW7470A	
7440-02-0	Nickel	509000	D	50	76.5	1000	ug/L	04/25/25 10:05	04/25/25 16:21	SW6010	SW3010
7440-09-7	Potassium	2300	UD	5	2300	5000	ug/L	04/25/25 10:05	04/25/25 15:40	SW6010	SW3010
7782-49-2	Selenium	404	D	5	24.1	50.0	ug/L	04/25/25 10:05	04/25/25 15:40	SW6010	SW3010
7440-22-4	Silver	4.05	UD	5	4.05	25.0	ug/L	04/25/25 10:05	04/25/25 15:40	SW6010	SW3010
7440-23-5	Sodium	42300	D	5	2170	5000	ug/L	04/25/25 10:05	04/25/25 15:40	SW6010	SW3010
7440-28-0	Thallium	10.9	UD	5	10.9	100	ug/L	04/25/25 10:05	04/25/25 15:40	SW6010	SW3010
7440-62-2	Vanadium	15.7	UD	5	15.7	100	ug/L	04/25/25 10:05	04/25/25 15:40	SW6010	SW3010
7440-66-6	Zinc	533	D	5	41.7	100	ug/L	04/25/25 10:05	04/25/25 15:40	SW6010	SW3010

Color Before:	light Brown	Clarity Before:	Clear	Texture:	
Color After:	light Brown	Clarity After:	Clear	Artifacts:	
Comments:	METALS-TAL				

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

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

Report of Analysis

Client:	METEM A GE POWER Business	Date Collected:	04/24/25
Project:	Tank Farm - Acid Analysis	Date Received:	04/24/25
Client Sample ID:	STEM-46-NITRIC-ACID	SDG No.:	Q1879
Lab Sample ID:	Q1879-03	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.
7429-90-5	Aluminum	4270		1	11.3	100	ug/L	04/25/25 10:05	04/25/25 16:25	SW6010	SW3010
7440-36-0	Antimony	6.76	U	1	6.76	50.0	ug/L	04/25/25 10:05	04/25/25 16:25	SW6010	SW3010
7440-38-2	Arsenic	78.5		1	5.12	20.0	ug/L	04/25/25 10:05	04/25/25 16:25	SW6010	SW3010
7440-39-3	Barium	14.6	U	1	14.6	100	ug/L	04/25/25 10:05	04/25/25 16:25	SW6010	SW3010
7440-41-7	Beryllium	0.56	U	1	0.56	6.00	ug/L	04/25/25 10:05	04/25/25 16:25	SW6010	SW3010
7440-43-9	Cadmium	0.50	U	1	0.50	6.00	ug/L	04/25/25 10:05	04/25/25 16:25	SW6010	SW3010
7440-70-2	Calcium	50900		1	234	2000	ug/L	04/25/25 10:05	04/25/25 16:25	SW6010	SW3010
7440-47-3	Chromium	23800		1	2.12	10.0	ug/L	04/25/25 10:05	04/25/25 16:25	SW6010	SW3010
7440-48-4	Cobalt	7200		1	2.26	30.0	ug/L	04/25/25 10:05	04/25/25 16:25	SW6010	SW3010
7440-50-8	Copper	2220		1	4.60	20.0	ug/L	04/25/25 10:05	04/25/25 16:25	SW6010	SW3010
7439-89-6	Iron	39000		1	23.4	100	ug/L	04/25/25 10:05	04/25/25 16:25	SW6010	SW3010
7439-92-1	Lead	2.30	U	1	2.30	12.0	ug/L	04/25/25 10:05	04/25/25 16:25	SW6010	SW3010
7439-95-4	Magnesium	16400		1	244	2000	ug/L	04/25/25 10:05	04/25/25 16:25	SW6010	SW3010
7439-96-5	Manganese	380		1	5.94	20.0	ug/L	04/25/25 10:05	04/25/25 16:25	SW6010	SW3010
7439-97-6	Mercury	0.076	U	1	0.076	0.20	ug/L	04/25/25 10:15	04/25/25 13:44	SW7470A	
7440-02-0	Nickel	71600	D	5	15.3	200	ug/L	04/25/25 10:05	04/25/25 15:47	SW6010	SW3010
7440-09-7	Potassium	1230	J	1	918	2000	ug/L	04/25/25 10:05	04/25/25 16:25	SW6010	SW3010
7782-49-2	Selenium	39.1		1	9.64	20.0	ug/L	04/25/25 10:05	04/25/25 16:25	SW6010	SW3010
7440-22-4	Silver	2.98	J	1	1.62	10.0	ug/L	04/25/25 10:05	04/25/25 16:25	SW6010	SW3010
7440-23-5	Sodium	28900		1	868	2000	ug/L	04/25/25 10:05	04/25/25 16:25	SW6010	SW3010
7440-28-0	Thallium	13.8	J	1	4.38	40.0	ug/L	04/25/25 10:05	04/25/25 16:25	SW6010	SW3010
7440-62-2	Vanadium	15.2	J	1	6.26	40.0	ug/L	04/25/25 10:05	04/25/25 16:25	SW6010	SW3010
7440-66-6	Zinc	116		1	16.7	40.0	ug/L	04/25/25 10:05	04/25/25 16:25	SW6010	SW3010

Color Before:	Colorless	Clarity Before:	Cloudy	Texture:	
Color After:	Colorless	Clarity After:	Clear	Artifacts:	
Comments:	METALS-TAL				

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

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	METEM A GE POWER Business	Date Collected:	04/24/25
Project:	Tank Farm - Acid Analysis	Date Received:	04/24/25
Client Sample ID:	ACID-MIXTURE-TF-CONTAINMENT	SDG No.:	Q1879
Lab Sample ID:	Q1879-04	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.
7429-90-5	Aluminum	58400	D	5	28.4	250	ug/L	04/25/25 10:05	04/25/25 15:51	SW6010	SW3010
7440-36-0	Antimony	16.9	UD	5	16.9	125	ug/L	04/25/25 10:05	04/25/25 15:51	SW6010	SW3010
7440-38-2	Arsenic	447	D	5	12.8	50.0	ug/L	04/25/25 10:05	04/25/25 15:51	SW6010	SW3010
7440-39-3	Barium	140	JD	5	36.4	250	ug/L	04/25/25 10:05	04/25/25 15:51	SW6010	SW3010
7440-41-7	Beryllium	8.86	JD	5	1.40	15.0	ug/L	04/25/25 10:05	04/25/25 15:51	SW6010	SW3010
7440-43-9	Cadmium	1.25	UD	5	1.25	15.0	ug/L	04/25/25 10:05	04/25/25 15:51	SW6010	SW3010
7440-70-2	Calcium	403000	D	5	585	5000	ug/L	04/25/25 10:05	04/25/25 15:51	SW6010	SW3010
7440-47-3	Chromium	61000	D	5	5.30	25.0	ug/L	04/25/25 10:05	04/25/25 15:51	SW6010	SW3010
7440-48-4	Cobalt	89300	D	50	56.5	750	ug/L	04/25/25 10:05	04/25/25 16:29	SW6010	SW3010
7440-50-8	Copper	6970	D	5	11.5	50.0	ug/L	04/25/25 10:05	04/25/25 15:51	SW6010	SW3010
7439-89-6	Iron	1740000	D	5	58.5	250	ug/L	04/25/25 10:05	04/25/25 15:51	SW6010	SW3010
7439-92-1	Lead	5.75	UD	5	5.75	30.0	ug/L	04/25/25 10:05	04/25/25 15:51	SW6010	SW3010
7439-95-4	Magnesium	50900	D	5	610	5000	ug/L	04/25/25 10:05	04/25/25 15:51	SW6010	SW3010
7439-96-5	Manganese	10800	D	5	14.9	50.0	ug/L	04/25/25 10:05	04/25/25 15:51	SW6010	SW3010
7439-97-6	Mercury	1.39		1	0.076	0.20	ug/L	04/25/25 10:15	04/25/25 13:46	SW7470A	
7440-02-0	Nickel	629000	D	50	76.5	1000	ug/L	04/25/25 10:05	04/25/25 16:29	SW6010	SW3010
7440-09-7	Potassium	2290000	D	5	2300	5000	ug/L	04/25/25 10:05	04/25/25 15:51	SW6010	SW3010
7782-49-2	Selenium	2080	D	5	24.1	50.0	ug/L	04/25/25 10:05	04/25/25 15:51	SW6010	SW3010
7440-22-4	Silver	50.7	D	5	4.05	25.0	ug/L	04/25/25 10:05	04/25/25 15:51	SW6010	SW3010
7440-23-5	Sodium	344000	D	5	2170	5000	ug/L	04/25/25 10:05	04/25/25 15:51	SW6010	SW3010
7440-28-0	Thallium	595	D	5	10.9	100	ug/L	04/25/25 10:05	04/25/25 15:51	SW6010	SW3010
7440-62-2	Vanadium	27.1	JD	5	15.7	100	ug/L	04/25/25 10:05	04/25/25 15:51	SW6010	SW3010
7440-66-6	Zinc	31000	D	5	41.7	100	ug/L	04/25/25 10:05	04/25/25 15:51	SW6010	SW3010

Color Before:	Light Yellow	Clarity Before:	Cloudy	Texture:	
Color After:	Colorless	Clarity After:	Clear	Artifacts:	
Comments:	METALS-TAL				

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:	Q1879	**OrderDate:**	4/24/2025 3:50:52 PM
Client:	METEM A GE POWER Business	**Project:**	Tank Farm - Acid Analysis
Contact:	Sundas Pervez	**Location:**	L41

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1879-01	**STEM-31-SULFURIC-ACID**	**Water**			**04/23/25**			**04/24/25**
			Mercury	7470A		04/25/25	04/25/25	
			Metals ICP-TAL	6010D		04/25/25	04/25/25	
Q1879-02	**STEM-32-NITRIC-ACID**	**Water**			**04/24/25**			**04/24/25**
			Mercury	7470A		04/25/25	04/25/25	
			Metals ICP-TAL	6010D		04/25/25	04/25/25	
Q1879-03	**STEM-46-NITRIC-ACID**	**Water**			**04/24/25**			**04/24/25**
			Mercury	7470A		04/25/25	04/25/25	
			Metals ICP-TAL	6010D		04/25/25	04/25/25	
Q1879-04	**ACID-MIXTURE-TF-CONTAINMENT**	**Water**			**04/24/25**			**04/24/25**
			Mercury	7470A		04/25/25	04/25/25	
			Metals ICP-TAL	6010D		04/25/25	04/25/25	

SAMPLE DATA

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Report of Analysis

Client:	METEM A GE POWER Business	Date Collected:	04/23/25 21:00
Project:	Tank Farm - Acid Analysis	Date Received:	04/24/25
Client Sample ID:	STEM-31-SULFURIC-ACID	SDG No.:	Q1879
Lab Sample ID:	Q1879-01	Matrix:	Water
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Acidity	276000		1	4.00	10.0	mg/L		04/25/25 12:35	SM2310 B
Alkalinity	1.00	U	1	1.00	2.00	mg/L		04/25/25 11:52	SM 2320 B-11
Ammonia as N	0.36	J	1	0.30	1.00	mg/L	04/25/25 09:20	04/25/25 12:09	SM 4500-NH3 B plus G-11
pH	0.51	H	1	0	0	pH		04/25/25 10:00	9040C
Phenolics	0.15	U	1	0.15	0.50	mg/L	04/25/25 14:00	04/25/25 16:34	9065
TKN	1.40		1	0.11	0.50	mg/L	04/25/25 08:40	04/25/25 14:07	SM4500-N Org C-11 plus NH3 B plus G-11

Comments: The acidity to pH 8.36=276000 mg CaCO3/L, pH result reported at temperature 20.2 °C

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

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Report of Analysis

Client:	METEM A GE POWER Business	Date Collected:	04/24/25 09:00
Project:	Tank Farm - Acid Analysis	Date Received:	04/24/25
Client Sample ID:	STEM-32-NITRIC-ACID	SDG No.:	Q1879
Lab Sample ID:	Q1879-02	Matrix:	Water
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Acidity	310000		1	4.00	10.0	mg/L		04/25/25 12:47	SM2310 B
Alkalinity	1.00	U	1	1.00	2.00	mg/L		04/25/25 11:55	SM 2320 B-11
Ammonia as N	19.4		1	0.30	1.00	mg/L	04/25/25 09:20	04/25/25 12:09	SM 4500-NH3 B plus G-11
pH	0.51	H	1	0	0	pH		04/25/25 10:01	9040C
Phenolics	0.15	U	1	0.15	0.50	mg/L	04/25/25 14:00	04/25/25 16:34	9065
TKN	1.90		1	0.11	0.50	mg/L	04/25/25 08:40	04/25/25 15:12	SM4500-N Org C-11 plus NH3 B plus G-11

Comments: The acidity to pH 8.36=310000 mg CaCO3/L, pH result reported at temperature 20.2 °C

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

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Report of Analysis

Client:	METEM A GE POWER Business	Date Collected:	04/24/25 09:00
Project:	Tank Farm - Acid Analysis	Date Received:	04/24/25
Client Sample ID:	STEM-46-NITRIC-ACID	SDG No.:	Q1879
Lab Sample ID:	Q1879-03	Matrix:	Water
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Acidity	463000		1	4.00	10.0	mg/L		04/25/25 13:02	SM2310 B
Alkalinity	1.00	U	1	1.00	2.00	mg/L		04/25/25 11:58	SM 2320 B-11
Ammonia as N	0.35	J	1	0.30	1.00	mg/L	04/25/25 09:20	04/25/25 12:09	SM 4500-NH3 B plus G-11
pH	0.51	H	1	0	0	pH		04/25/25 10:05	9040C
Phenolics	0.15	U	1	0.15	0.50	mg/L	04/25/25 14:00	04/25/25 16:34	9065
TKN	0.15	J	1	0.11	0.50	mg/L	04/25/25 08:40	04/25/25 14:07	SM4500-N Org C-11 plus NH3 B plus G-11

Comments: The acidity to pH 8.34=463000 mg CaCO3/L, pH result reported at temperature 20.2 °C

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

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Report of Analysis

Client:	METEM A GE POWER Business	Date Collected:	04/24/25 12:00
Project:	Tank Farm - Acid Analysis	Date Received:	04/24/25
Client Sample ID:	ACID-MIXTURE-TF-CONTAINMENT	SDG No.:	Q1879
Lab Sample ID:	Q1879-04	Matrix:	Water
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Acidity	323000		1	4.00	10.0	mg/L		04/25/25 13:14	SM2310 B
Alkalinity	1.00	U	1	1.00	2.00	mg/L		04/25/25 12:00	SM 2320 B-11
Ammonia as N	68.0	OR	1	0.30	1.00	mg/L	04/25/25 09:20	04/25/25 12:09	SM 4500-NH3 B plus G-11
pH	0.51	H	1	0	0	pH		04/25/25 10:06	9040C
Phenolics	0.15	U	1	0.15	0.50	mg/L	04/25/25 14:00	04/25/25 16:34	9065
TKN	6.70		1	0.11	0.50	mg/L	04/25/25 08:40	04/25/25 15:12	SM4500-N Org C-11 plus NH3 B plus G-11

Comments: The acidity to pH 8.35=323000 mg CaCO3/L, pH result reported at temperature 20.2 °C

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

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	METEM A GE POWER Business	Date Collected:	04/24/25 12:00
Project:	Tank Farm - Acid Analysis	Date Received:	04/24/25
Client Sample ID:	ACID-MIXTURE-TF-CONTAINMENTDL	SDG No.:	Q1879
Lab Sample ID:	Q1879-04DL	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Ammonia as N	68.9	D	5	1.50	5.00	mg/L	04/25/25 09:20	04/25/25 12:55	SM 4500-NH3 B plus G-11

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
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LAB CHRONICLE

OrderID:	Q1879	**OrderDate:**	4/24/2025 3:50:52 PM
Client:	METEM A GE POWER Business	**Project:**	Tank Farm - Acid Analysis
Contact:	Sundas Pervez	**Location:**	L41

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1879-01	**STEM-31-SULFURIC-ACID**	**Water**			**04/23/25 21:00**			**04/24/25**
			Acidity	SM2310 B			04/25/25 12:35	
			Alkalinity	SM2320 B			04/25/25 11:52	
			Ammonia	SM4500-NH3		04/25/25	04/25/25 12:09	
			pH	9040C			04/25/25 10:00	
			Phenolics	9065		04/25/25	04/25/25 16:34	
			TKN	SM4500-N Org C-11 plus NH3 B plus G-11		04/25/25	04/25/25 14:07	
Q1879-02	**STEM-32-NITRIC-ACID**	**Water**			**04/24/25 09:00**			**04/24/25**
			Acidity	SM2310 B			04/25/25 12:47	
			Alkalinity	SM2320 B			04/25/25 11:55	
			Ammonia	SM4500-NH3		04/25/25	04/25/25 12:09	
			pH	9040C			04/25/25 10:01	
			Phenolics	9065		04/25/25	04/25/25 16:34	

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LAB CHRONICLE

			TKN	SM4500-N Org C-11 plus NH3 B plus G-11		04/25/25	04/25/25 15:12
Q1879-03	**STEM-46-NITRIC-ACID**	**Water**			**04/24/25 09:00**		**04/24/25**
			Acidity	SM2310 B			04/25/25 13:02
			Alkalinity	SM2320 B			04/25/25 11:58
			Ammonia	SM4500-NH3		04/25/25	04/25/25 12:09
			pH	9040C			04/25/25 10:05
			Phenolics	9065		04/25/25	04/25/25 16:34
			TKN	SM4500-N Org C-11 plus NH3 B plus G-11		04/25/25	04/25/25 14:07
Q1879-04	**ACID-MIXTURE-TF-CONTAINMENT**	**Water**			**04/24/25 12:00**		**04/24/25**
			Acidity	SM2310 B			04/25/25 13:14
			Alkalinity	SM2320 B			04/25/25 12:00
			Ammonia	SM4500-NH3		04/25/25	04/25/25 12:09
			pH	9040C			04/25/25 10:06
			Phenolics	9065		04/25/25	04/25/25 16:34
			TKN	SM4500-N Org C-11 plus NH3 B plus G-11		04/25/25	04/25/25 15:12
Q1879-04DL	**ACID-MIXTURE-TF-CONTAINMENTDL**	**WATER**			**04/24/25 12:00**		**04/24/25**

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

LAB CHRONICLE

Ammonia	SM4500-NH3	04/25/25	04/25/25 12:55

SHIPPING DOCUMENTS

Alliance TECHNICAL GROUP

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

ALLIANCE PROJECT NO. / QUOTE NO. Q1879

COC Number 2046717

7
7.1

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: Metem - A GE Vernova business
ADDRESS: 700 Parsippany Road
CITY Parsippany STATE: NJ ZIP: 07054
ATTENTION: Sundas Pervez
PHONE: 862-239-2531 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Process Tank Acid Mixture
PROJECT NO.: LOCATION:
PROJECT MANAGER: Sundas Pervez
e-mail:
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: Same as Client PO#:
ADDRESS:
CITY STATE: ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX (RUSH) ______ DAYS*
HARDCOPY (DATA PACKAGE): 1 Day TAT DAYS*
EDD: 1 Day TAT 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 Total Metals
2 Anions (Nitrate, Sulfate)
3 PH
4 Total Acidity
5 TDS
6 TOC
7 TCLP
8 Specific Gravity
9 Oxidizer Test

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	COMP	GRAB	DATE	TIME	# OF BOTTLES	1	2	3	4	5	6	7	8	9	COMMENTS
1.	Stem 31 - Sulfuric Acid	Liquid		X	4/23	9pm	1	✓	✓	✓	✓	✓	✓	✓	✓	✓	
2.	Stem 32 Nitric Acid	Liquid		X	4/24	9am	1	✓	✓	✓	✓	✓	✓	✓	✓	✓	
3.	Stem 46 - Nitric Acid	Liquid		X	4/24	9am	1	✓	✓	✓	✓	✓	✓	✓	✓	✓	
4.	Acid Mixture TF Containment	Liquid		X	4/24	12pm	1	✓	✓	✓	✓	✓	✓	✓	✓	✓	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

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

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

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1. Sundas Pervez	4/24 12pm	1. [signature]
2.		2.
3. [signature]	4-24-2025 1300	3. [signature]

Conditions of bottles or coolers at receipt: ❑ COMPLIANT ❑ NON COMPLIANT ☒ COOLER TEMP 2.4° + 1 = 3.4 °C
Comments: IR Gun #1 Temp 3.4° (Adjusted Factor +1)

Page ____ of ____

CLIENT: ❑ Hand Delivered ❑ Other

Shipment Complete ❑ YES ❑ NO

Q1879
WHITE - ALLIANCE COPY FOR RETURN TO CLIENT YELLOW - ALLIANCE COPY PINK - SAMPLER COPY

From: Pervez, Sundas (GE Vernova) <Sundas.Pervez@gevernova.com>
Sent: Friday, April 25, 2025 10:04 AM
To: Yazmeen Gomez
Cc: Jordan Hedvat
Subject: RE: Acid Samples

Hi Yazmeen,

I can source more sample, however, given the urgency of us needing the results today, I will just hold off on specific gravity until we can see our results today for the samples we already gave.

Thanks for your quick support on this!

Regards,

Sundas Pervez
Environmental Health and Safety Leader
Gas Power

M +1 862 289 2531

GE VERNOVA

Please note my e-mail has changed to sundas.pervez@gevernova.com

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From: Yazmeen Gomez <Yazmeen.Gomez@alliancetg.com>
Sent: Friday, April 25, 2025 9:35 AM
To: Pervez, Sundas (GE Vernova) <Sundas.Pervez@gevernova.com>
Cc: Jordan Hedvat <Jordan.Hedvat@AllianceTG.com>
Subject: EXT: RE: Acid Samples

Sundas,

Are you able to provide more volume? Specific Gravity would be a sub analysis, and we would need more volume to send to the sub lab.

Specific Gravity requires a 1L plastic. I could set someone up to bring you the bottles and wait while you fill the bottles?

Best Regards,

Yazmeen Gomez
Sr. Project Manager
An Alliance Technical Group Company
Main: 908-789-8900
Direct: 908-728-3147
Address: 284 Sheffield St, Ste 1, Mountainside, NJ 07092
www.alliancetg.com

From: Pervez, Sundas (GE Vernova) <Sundas.Pervez@gevernova.com>
Sent: Thursday, April 24, 2025 5:04 PM
To: Yazmeen Gomez <Yazmeen.Gomez@alliancetg.com>
Cc: Jordan Hedvat <Jordan.Hedvat@AllianceTG.com>
Subject: RE: Acid Samples

Thanks, Yazmeen!

Looks good. Is specific gravity a possibility of running also? I believe I indicated that on the COC.

Regards,

Sundas Pervez
Environmental Health and Safety Leader
Gas Power

M +1 862 289 2531

GE VERNOVA

Please note my e-mail has changed to sundas.pervez@gevernova.com

From: Yazmeen Gomez <Yazmeen.Gomez@alliancetg.com>
Sent: Thursday, April 24, 2025 4:45 PM
To: Pervez, Sundas (GE Vernova) <Sundas.Pervez@gevernova.com>
Cc: Jordan Hedvat <Jordan.Hedvat@AllianceTG.com>
Subject: EXT: RE: Acid Samples

Sundas,

Please see attached. I highlighted all the analysis we will be running.

I wanted to give you a heads up we are no longer certified for Acidity, but we can still run the analysis.

Best Regards,

Yazmeen Gomez
Sr. Project Manager
An Alliance Technical Group Company
Main: 908-789-8900
Direct: 908-728-3147
Address: 284 Sheffield St, Ste 1, Mountainside, NJ 07092
www.alliancetg.com

From: Pervez, Sundas (GE Vernova) <Sundas.Pervez@gevernova.com>
Sent: Thursday, April 24, 2025 4:22 PM
To: Yazmeen Gomez <Yazmeen.Gomez@alliancetg.com>
Cc: Jordan Hedvat <Jordan.Hedvat@AllianceTG.com>
Subject: RE: Acid Samples

Yes, can you please call me at (862) 289-2531?

Regards,

Sundas Pervez
Environmental Health and Safety Leader
Gas Power

M +1 862 289 2531

GE VERNOVA

Please note my e-mail has changed to sundas.pervez@gevernova.com

From: Yazmeen Gomez <Yazmeen.Gomez@alliancetg.com>
Sent: Thursday, April 24, 2025 4:11 PM
To: Pervez, Sundas (GE Vernova) <Sundas.Pervez@gevernova.com>
Cc: Jordan Hedvat <Jordan.Hedvat@AllianceTG.com>
Subject: EXT: RE: Acid Samples

Can we hop on a call with the lab manager to discuss this? Let me know if you are available.
He will need more information on these samples before analyzing, he is trying to avoid ruining the instruments.

Best Regards,

Yazmeen Gomez
Sr. Project Manager
An Alliance Technical Group Company
Main: 908-789-8900

Direct: 908-728-3147
Address: 284 Sheffield St, Ste 1, Mountainside, NJ 07092
www.alliancetg.com

From: Pervez, Sundas (GE Vernova) <Sundas.Pervez@gevernova.com>
Sent: Thursday, April 24, 2025 3:38 PM
To: Yazmeen Gomez <Yazmeen.Gomez@alliancetg.com>
Cc: Jordan Hedvat <Jordan.Hedvat@AllianceTG.com>
Subject: Re: Acid Samples

Hi Yazmeen,

What do you mean by pure products? This is an acid mixture from our process acid tank containment. We suspect some foreign material may have fallen into that mixture that resulted in NO2 orange gas that we observed as a result. So, need to understand the constituents of our mixture.

Please let me know if you need help understanding further. Also, I requested 1 day TAT as this is urgent. Will we be able to get the results tomorrow?

Thanks.

Regards,

Sundas Pervez
Environmental Health and Safety Leader
Gas Power

M +1 862 289 2531

GE VERNOVA

From: Yazmeen Gomez <Yazmeen.Gomez@alliancetg.com>
Sent: Thursday, April 24, 2025 1:40:12 PM
To: Pervez, Sundas (GE Vernova) <Sundas.Pervez@gevernova.com>
Cc: Jordan Hedvat <Jordan.Hedvat@AllianceTG.com>
Subject: EXT: Acid Samples

Good afternoon Sundas,

Do you know if these samples are pure products?

I also, wanted to confirm the COC mentions a large list of analysis but the Lab Manager mentioned we can only run –
Acidity
Alkalinity
Ammonia
Phenolics
pH
TKN
Total Nitrogen

I am also not completely sure we have enough volume to run all these analysis (only received 1 plastic bottle for each sample).
But I will confirm once you let me know if the samples are pure products.

Best Regards,

Yazmeen Gomez
Sr. Project Manager
An Alliance Technical Group Company
Main: 908-789-8900
Direct: 908-728-3147
Address: 284 Sheffield St, Ste 1, Mountainside, NJ 07092
www.alliancetg.com

Alliance TECHNICAL GROUP
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