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 : Q1944

ATTENTION : Sundas Pervez

Laboratory Certification ID # 20012

Table Of Contents for Q1944

1) Signature Page 3

2) Case Narrative 5

2.1) Metals-AES- Case Narrative 5

2.2) Genchem- Case Narrative 7

3) Qualifier Page 9

4) QA Checklist 10

5) Metals-AES Data 11

6) Genchem Data 17

7) Shipping Document 25

7.1) CHAIN OF CUSTODY 26

7.2) Lab Certificate 27

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Cover Page

Order ID : Q1944

Project ID : Tank Farm - Acid Analysis

Client : METEM A GE POWER Business

Lab Sample Number	Client Sample Number
Q1944-01	MELTED-RUBBER-SAMPLE
Q1944-02	CITY-WATER
Q1944-03	CHILLER-WATER

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 3:46 pm, May 14, 2025

Date: 5/9/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

DATA OF KNOWN QUALITY CONFORMANCE/NON-CONFORMANCE SUMMARY QUESTIONNAIRE

Laboratory Name : Alliance Technical Group

Client : METEM A GE POWER Business

Project Location : NJ

Project Number : 116760 - Tank Farm - Acid Analysis

Laboratory Sample ID(s) : Q1944

Sampling Date(s) : 5/01/2025,05/02/2025

List DKQP Methods Used (e.g., 8260,8270, et Cetra) **,6010D,7470A,7471B,9040C,9045D,9065,SM2310 B,SM2320 B,SM4500 N Org B or C,SM4500-NH3**

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the NJDEP Data of Known Quality performance standards?	☑ Yes ☐ No
1A	Were the method specified handling, preservation, and holding time requirements met?	☐ Yes ☑ No
1B	EPH Method: Was the EPH method conducted without significant modifications (see Section 11.3 of respective DKQ methods)	☐ Yes ☐ No ☑ N/A
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	☑ Yes ☐ No
3	Were samples received at an appropriate temperature (4±2° C)?	☑ Yes ☐ No ☐ N/A
4	Were all QA/QC performance criteria specified in the NJDEP DKQP standards achieved?	☐ Yes ☑ No
5	a)Were reporting limits specified or referenced on the chain-of-custody or communicated to the laboratory prior to sample receipt? b)Were these reporting limits met?	☑ Yes ☐ No ☑ Yes ☐ No ☐ N/A
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the DKQP documents and/or site-specific QAPP?	☑ Yes ☐ No
7	Are project-specific matrix spikes and/or laboratory duplicates included in this data set?	☐ Yes ☑ No

Notes: For all questions to which the response was “No” (with the exception of question #7), additional information should be provided in an attached narrative. If the answer to question #1, #1A, or #1B is “No”, the data package does not meet the requirements for “Data of Known Quality.”

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CASE NARRATIVE

METEM A GE POWER Business
Project Name: Tank Farm - Acid Analysis
Project # N/A
Order ID # Q1944
Test Name: Metals ICP-TAL,Mercury

A. Number of Samples and Date of Receipt:
1 Solid sample was received on 05/02/2025.
2 Water samples were received on 05/02/2025.

B. Parameters:
According to the Chain of Custody document, the following analyses were requested: Acidity, Alkalinity, Alkalinity, Ammonia, Mercury, Metals ICP-TAL, METALS-TAL, pH, Phenolics and TKN. 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 3050 (soils) and 3010 (waters).The analysis and digestion of Mercury was based on method 7470A. The analysis and digestion of Mercury was based on method 7471B.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Blank Spike met requirements for all samples.
The Duplicate (OK-01-050125DUP) analysis met criteria for all samples except for Barium, Copper, Lead, Potassium due to matrix interference.
The Duplicate (OK-01-050125MSD) analysis met criteria for all samples except for Antimony, Copper, Nickel due to matrix interference.
The Matrix Spike (GB1WMS) analysis met criteria for all samples except for Mercury due to matrix interference.
The Matrix Spike (OK-01-050125MS) analysis met criteria for all samples except for Antimony due to matrix interference.
The Matrix Spike Duplicate (GB1WMSD) analysis met criteria for all samples except for Mercury due to matrix interference.
The Matrix Spike Duplicate (OK-01-050125MSD) analysis met criteria for all samples except for Antimony, Copper due to matrix interference.
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:
The time of sampling were not listed in the COC.

The initial weight for sample Q1944-01 for Metals was taken 0.82g instead of 2.0g due to very limited volume. Sample Q1944-03 for Metals was analyzed with straight 5X dilution due to sample physical appearance, viscosity and matrix.

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 3:46 pm, May 14, 2025

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CASE NARRATIVE

METEM A GE POWER Business
Project Name: Tank Farm - Acid Analysis
Project # N/A
Order ID # Q1944
Test Name: pH,Alkalinity,Phenolics,TKN,Ammonia,Acidity

A. Number of Samples and Date of Receipt:
1 Solid sample was received on 05/02/2025.
2 Water samples were received on 05/02/2025.

B. Parameters:
According to the Chain of Custody document, the following analyses were requested: Acidity, Alkalinity, Alkalinity, Ammonia, Mercury, Metals ICP-TAL, METALS-TAL, pH, Phenolics and TKN. 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 pH was based on method 9045D, 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 CHILLER-WATER of pH, for CITY-WATER of pH.for MELTED-RUBBER-SAMPLE of pH. As these samples are received out of hold.
Sample MELTED-RUBBER-SAMPLE was diluted due to high concentrations for TKN & Sample CHILLER-WATER was diluted due to high concentrations for TKN.
The Blank Spike met requirements for all samples.
The Duplicate analysis met criteria for all samples.
The Matrix Spike (WATER-TREATMENT-DISCHARGEMS) analysis met criteria for all samples except for Ammonia Due to matrix interference.
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:
The time of sampling were not listed in the COC.
The initial weight for sample Q1944-01 was taken 0.5g instead of 1.0g for Phenolic and TKN due to very limited volume.

The fax and hardcopy is not matching for Phenolics. After fax, at the time of second review lab noticed associated CCV was out side of qc limits therefore these samples were reanalyzed and reported, Hard copy is reported correct.

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 3:46 pm, May 14, 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

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q1944

	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:** 05/09/2025

Alliance TECHNICAL GROUP
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Hit Summary Sheet
SW-846

SDG No.: Q1944 **Order ID:** Q1944

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 : MELTED-RUBBER-SAMPLE								
Q1944-01	MELTED-RUBBER-SAMPLE	SOIL	Aluminum	2.60	J	2.05	12.2	mg/Kg
Q1944-01	MELTED-RUBBER-SAMPLE	SOIL	Chromium	8.75		0.12	1.22	mg/Kg
Q1944-01	MELTED-RUBBER-SAMPLE	SOIL	Cobalt	7.24		0.24	3.66	mg/Kg
Q1944-01	MELTED-RUBBER-SAMPLE	SOIL	Copper	2.76		0.54	2.44	mg/Kg
Q1944-01	MELTED-RUBBER-SAMPLE	SOIL	Iron	25.7		9.73	12.2	mg/Kg
Q1944-01	MELTED-RUBBER-SAMPLE	SOIL	Nickel	36.6		0.32	4.88	mg/Kg
Q1944-01	MELTED-RUBBER-SAMPLE	SOIL	Selenium	2.12	J	0.63	2.44	mg/Kg
Q1944-01	MELTED-RUBBER-SAMPLE	SOIL	Zinc	5.90		0.56	4.88	mg/Kg
Client ID : CITY-WATER								
Q1944-02	CITY-WATER	Water	Barium	24.6	J	7.28	50.0	ug/L
Q1944-02	CITY-WATER	Water	Calcium	96600		117	1000	ug/L
Q1944-02	CITY-WATER	Water	Copper	536		2.30	10.0	ug/L
Q1944-02	CITY-WATER	Water	Magnesium	33400		122	1000	ug/L
Q1944-02	CITY-WATER	Water	Nickel	1.98	J	1.53	20.0	ug/L
Q1944-02	CITY-WATER	Water	Potassium	1850		459	1000	ug/L
Q1944-02	CITY-WATER	Water	Sodium	31900		434	1000	ug/L
Q1944-02	CITY-WATER	Water	Zinc	82.9		8.33	20.0	ug/L
Client ID : CHILLER-WATER								
Q1944-03	CHILLER-WATER	Water	Antimony	238	D	16.9	125	ug/L
Q1944-03	CHILLER-WATER	Water	Arsenic	57.1	D	12.8	50.0	ug/L
Q1944-03	CHILLER-WATER	Water	Calcium	2700	JD	585	5000	ug/L
Q1944-03	CHILLER-WATER	Water	Chromium	105	D	5.30	25.0	ug/L
Q1944-03	CHILLER-WATER	Water	Copper	2190	D	11.5	50.0	ug/L
Q1944-03	CHILLER-WATER	Water	Iron	542	D	58.5	250	ug/L
Q1944-03	CHILLER-WATER	Water	Lead	42.8	D	5.75	30.0	ug/L
Q1944-03	CHILLER-WATER	Water	Potassium	4180000	D	2300	5000	ug/L
Q1944-03	CHILLER-WATER	Water	Selenium	1250	D	24.1	50.0	ug/L
Q1944-03	CHILLER-WATER	Water	Sodium	777000	D	2170	5000	ug/L
Q1944-03	CHILLER-WATER	Water	Thallium	722	D	10.9	100	ug/L
Q1944-03	CHILLER-WATER	Water	Zinc	51.3	JD	41.7	100	ug/L

SAMPLE DATA

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	METEM A GE POWER Business	Date Collected:	05/02/25
Project:	Tank Farm - Acid Analysis	Date Received:	05/02/25
Client Sample ID:	MELTED-RUBBER-SAMPLE	SDG No.:	Q1944
Lab Sample ID:	Q1944-01	Matrix:	SOIL
Level (low/med):	low	% Solid:	100

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	2.60	J	1	2.05	12.2	mg/Kg	05/02/25 13:05	05/05/25 16:03	SW6010	SW3050
7440-36-0	Antimony	0.54	UN*	1	0.54	6.10	mg/Kg	05/02/25 13:05	05/05/25 16:03	SW6010	SW3050
7440-38-2	Arsenic	0.46	U	1	0.46	2.44	mg/Kg	05/02/25 13:05	05/05/25 16:03	SW6010	SW3050
7440-39-3	Barium	1.78	U*	1	1.78	12.2	mg/Kg	05/02/25 13:05	05/05/25 16:03	SW6010	SW3050
7440-41-7	Beryllium	0.061	U	1	0.061	0.73	mg/Kg	05/02/25 13:05	05/05/25 16:03	SW6010	SW3050
7440-43-9	Cadmium	0.059	U	1	0.059	0.73	mg/Kg	05/02/25 13:05	05/05/25 16:03	SW6010	SW3050
7440-70-2	Calcium	27.1	U	1	27.1	244	mg/Kg	05/02/25 13:05	05/05/25 16:03	SW6010	SW3050
7440-47-3	Chromium	8.75		1	0.12	1.22	mg/Kg	05/02/25 13:05	05/05/25 16:03	SW6010	SW3050
7440-48-4	Cobalt	7.24		1	0.24	3.66	mg/Kg	05/02/25 13:05	05/05/25 16:03	SW6010	SW3050
7440-50-8	Copper	2.76	N*	1	0.54	2.44	mg/Kg	05/02/25 13:05	05/05/25 16:03	SW6010	SW3050
7439-89-6	Iron	25.7		1	9.73	12.2	mg/Kg	05/02/25 13:05	05/05/25 16:03	SW6010	SW3050
7439-92-1	Lead	0.32	U*	1	0.32	1.46	mg/Kg	05/02/25 13:05	05/05/25 16:03	SW6010	SW3050
7439-95-4	Magnesium	29.3	U	1	29.3	244	mg/Kg	05/02/25 13:05	05/05/25 16:03	SW6010	SW3050
7439-96-5	Manganese	0.34	U	1	0.34	2.44	mg/Kg	05/02/25 13:05	05/05/25 16:03	SW6010	SW3050
7439-97-6	Mercury	0.0080	U	1	0.0080	0.014	mg/Kg	05/05/25 14:54	05/05/25 15:32	SW7471B	
7440-02-0	Nickel	36.6	*	1	0.32	4.88	mg/Kg	05/02/25 13:05	05/05/25 16:03	SW6010	SW3050
7440-09-7	Potassium	67.6	U*	1	67.6	244	mg/Kg	05/02/25 13:05	05/05/25 16:03	SW6010	SW3050
7782-49-2	Selenium	2.12	J	1	0.63	2.44	mg/Kg	05/02/25 13:05	05/05/25 16:03	SW6010	SW3050
7440-22-4	Silver	0.29	U	1	0.29	1.22	mg/Kg	05/02/25 13:05	05/05/25 16:03	SW6010	SW3050
7440-23-5	Sodium	43.4	U	1	43.4	244	mg/Kg	05/02/25 13:05	05/05/25 16:03	SW6010	SW3050
7440-28-0	Thallium	0.56	U	1	0.56	4.88	mg/Kg	05/02/25 13:05	05/05/25 16:03	SW6010	SW3050
7440-62-2	Vanadium	0.61	U	1	0.61	4.88	mg/Kg	05/02/25 13:05	05/05/25 16:03	SW6010	SW3050
7440-66-6	Zinc	5.90		1	0.56	4.88	mg/Kg	05/02/25 13:05	05/05/25 16:03	SW6010	SW3050

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		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,
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Report of Analysis

Client:	METEM A GE POWER Business	Date Collected:	05/01/25
Project:	Tank Farm - Acid Analysis	Date Received:	05/02/25
Client Sample ID:	CITY-WATER	SDG No.:	Q1944
Lab Sample ID:	Q1944-02	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	5.67	U	1	5.67	50.0	ug/L	05/05/25 11:05	05/05/25 16:29	SW6010	SW3010
7440-36-0	Antimony	3.38	U	1	3.38	25.0	ug/L	05/05/25 11:05	05/05/25 16:29	SW6010	SW3010
7440-38-2	Arsenic	2.56	U	1	2.56	10.0	ug/L	05/05/25 11:05	05/05/25 16:29	SW6010	SW3010
7440-39-3	Barium	24.6	J	1	7.28	50.0	ug/L	05/05/25 11:05	05/05/25 16:29	SW6010	SW3010
7440-41-7	Beryllium	0.28	U	1	0.28	3.00	ug/L	05/05/25 11:05	05/05/25 16:29	SW6010	SW3010
7440-43-9	Cadmium	0.25	U	1	0.25	3.00	ug/L	05/05/25 11:05	05/05/25 16:29	SW6010	SW3010
7440-70-2	Calcium	96600		1	117	1000	ug/L	05/05/25 11:05	05/05/25 16:29	SW6010	SW3010
7440-47-3	Chromium	1.06	U	1	1.06	5.00	ug/L	05/05/25 11:05	05/05/25 16:29	SW6010	SW3010
7440-48-4	Cobalt	1.13	U	1	1.13	15.0	ug/L	05/05/25 11:05	05/05/25 16:29	SW6010	SW3010
7440-50-8	Copper	536		1	2.30	10.0	ug/L	05/05/25 11:05	05/05/25 16:29	SW6010	SW3010
7439-89-6	Iron	11.7	U	1	11.7	50.0	ug/L	05/05/25 11:05	05/05/25 16:29	SW6010	SW3010
7439-92-1	Lead	1.15	U	1	1.15	6.00	ug/L	05/05/25 11:05	05/05/25 16:29	SW6010	SW3010
7439-95-4	Magnesium	33400		1	122	1000	ug/L	05/05/25 11:05	05/05/25 16:29	SW6010	SW3010
7439-96-5	Manganese	2.97	U	1	2.97	10.0	ug/L	05/05/25 11:05	05/05/25 16:29	SW6010	SW3010
7439-97-6	Mercury	0.076	UN	1	0.076	0.20	ug/L	05/05/25 07:20	05/05/25 12:56	SW7470A	
7440-02-0	Nickel	1.98	J	1	1.53	20.0	ug/L	05/05/25 11:05	05/05/25 16:29	SW6010	SW3010
7440-09-7	Potassium	1850		1	459	1000	ug/L	05/05/25 11:05	05/05/25 16:29	SW6010	SW3010
7782-49-2	Selenium	4.82	U	1	4.82	10.0	ug/L	05/05/25 11:05	05/05/25 16:29	SW6010	SW3010
7440-22-4	Silver	0.81	U	1	0.81	5.00	ug/L	05/05/25 11:05	05/05/25 16:29	SW6010	SW3010
7440-23-5	Sodium	31900		1	434	1000	ug/L	05/05/25 11:05	05/05/25 16:29	SW6010	SW3010
7440-28-0	Thallium	2.19	U	1	2.19	20.0	ug/L	05/05/25 11:05	05/05/25 16:29	SW6010	SW3010
7440-62-2	Vanadium	3.13	U	1	3.13	20.0	ug/L	05/05/25 11:05	05/05/25 16:29	SW6010	SW3010
7440-66-6	Zinc	82.9		1	8.33	20.0	ug/L	05/05/25 11:05	05/05/25 16:29	SW6010	SW3010

Color Before:	Colorless	Clarity Before:	Clear	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
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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:	05/01/25
Project:	Tank Farm - Acid Analysis	Date Received:	05/02/25
Client Sample ID:	CHILLER-WATER	SDG No.:	Q1944
Lab Sample ID:	Q1944-03	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	28.4	UD	5	28.4	250	ug/L	05/05/25 11:05	05/05/25 16:33	SW6010	SW3010
7440-36-0	Antimony	238	D	5	16.9	125	ug/L	05/05/25 11:05	05/05/25 16:33	SW6010	SW3010
7440-38-2	Arsenic	57.1	D	5	12.8	50.0	ug/L	05/05/25 11:05	05/05/25 16:33	SW6010	SW3010
7440-39-3	Barium	36.4	UD	5	36.4	250	ug/L	05/05/25 11:05	05/05/25 16:33	SW6010	SW3010
7440-41-7	Beryllium	1.40	UD	5	1.40	15.0	ug/L	05/05/25 11:05	05/05/25 16:33	SW6010	SW3010
7440-43-9	Cadmium	1.25	UD	5	1.25	15.0	ug/L	05/05/25 11:05	05/05/25 16:33	SW6010	SW3010
7440-70-2	Calcium	2700	JD	5	585	5000	ug/L	05/05/25 11:05	05/05/25 16:33	SW6010	SW3010
7440-47-3	Chromium	105	D	5	5.30	25.0	ug/L	05/05/25 11:05	05/05/25 16:33	SW6010	SW3010
7440-48-4	Cobalt	5.65	UD	5	5.65	75.0	ug/L	05/05/25 11:05	05/05/25 16:33	SW6010	SW3010
7440-50-8	Copper	2190	D	5	11.5	50.0	ug/L	05/05/25 11:05	05/05/25 16:33	SW6010	SW3010
7439-89-6	Iron	542	D	5	58.5	250	ug/L	05/05/25 11:05	05/05/25 16:33	SW6010	SW3010
7439-92-1	Lead	42.8	D	5	5.75	30.0	ug/L	05/05/25 11:05	05/05/25 16:33	SW6010	SW3010
7439-95-4	Magnesium	610	UD	5	610	5000	ug/L	05/05/25 11:05	05/05/25 16:33	SW6010	SW3010
7439-96-5	Manganese	14.9	UD	5	14.9	50.0	ug/L	05/05/25 11:05	05/05/25 16:33	SW6010	SW3010
7439-97-6	Mercury	0.076	UN	1	0.076	0.20	ug/L	05/05/25 07:20	05/05/25 12:59	SW7470A	
7440-02-0	Nickel	7.65	UD	5	7.65	100	ug/L	05/05/25 11:05	05/05/25 16:33	SW6010	SW3010
7440-09-7	Potassium	4180000	D	5	2300	5000	ug/L	05/05/25 11:05	05/05/25 16:33	SW6010	SW3010
7782-49-2	Selenium	1250	D	5	24.1	50.0	ug/L	05/05/25 11:05	05/05/25 16:33	SW6010	SW3010
7440-22-4	Silver	4.05	UD	5	4.05	25.0	ug/L	05/05/25 11:05	05/05/25 16:33	SW6010	SW3010
7440-23-5	Sodium	777000	D	5	2170	5000	ug/L	05/05/25 11:05	05/05/25 16:33	SW6010	SW3010
7440-28-0	Thallium	722	D	5	10.9	100	ug/L	05/05/25 11:05	05/05/25 16:33	SW6010	SW3010
7440-62-2	Vanadium	15.7	UD	5	15.7	100	ug/L	05/05/25 11:05	05/05/25 16:33	SW6010	SW3010
7440-66-6	Zinc	51.3	JD	5	41.7	100	ug/L	05/05/25 11:05	05/05/25 16:33	SW6010	SW3010

Color Before:	Colorless	Clarity Before:	Clear	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

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

LAB CHRONICLE

OrderID:	Q1944	**OrderDate:**	5/2/2025 11:13:00 AM
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
Q1944-01	**MELTED-RUBBER-SAMPLE**	**SOIL**			**05/02/25**			**05/02/25**
			Mercury	7471B		05/05/25	05/05/25	
			Metals ICP-TAL	6010D		05/02/25	05/05/25	
Q1944-02	**CITY-WATER**	**Water**			**05/01/25**			**05/02/25**
			Mercury	7470A		05/05/25	05/05/25	
			Metals ICP-TAL	6010D		05/05/25	05/05/25	
Q1944-03	**CHILLER-WATER**	**Water**			**05/01/25**			**05/02/25**
			Mercury	7470A		05/05/25	05/05/25	
			Metals ICP-TAL	6010D		05/05/25	05/05/25	

SAMPLE DATA

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:	05/02/25 12:00
Project:	Tank Farm - Acid Analysis	Date Received:	05/02/25
Client Sample ID:	MELTED-RUBBER-SAMPLE	SDG No.:	Q1944
Lab Sample ID:	Q1944-01	Matrix:	SOIL
		% Solid:	100

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
pH	3.88	H	1	0	0	pH		05/02/25 15:50	9045D
Phenolics	1.10	J	1	0.20	5.00	mg/Kg	05/05/25 12:45	05/06/25 11:38	9065
TKN	5050	OR	1	18.8	50.0	mg/Kg	05/05/25 09:20	05/05/25 15:12	SM4500-N Org C-11 plus NH3 B plus G-11

Comments: pH result reported at temperature 23.7 °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

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:	05/02/25 00:00
Project:	Tank Farm - Acid Analysis	Date Received:	05/02/25
Client Sample ID:	MELTED-RUBBER-SAMPLEDL	SDG No.:	Q1944
Lab Sample ID:	Q1944-01DL	Matrix:	SOIL
		% Solid:	100

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
TKN	4390	D	10	188	500	mg/Kg	05/05/25 09:20	05/05/25 15:46	SM4500-N Org C-11 plus 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
* = 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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Fax : 908 789 8922

Report of Analysis

Client:	METEM A GE POWER Business	Date Collected:	05/01/25 12:00
Project:	Tank Farm - Acid Analysis	Date Received:	05/02/25
Client Sample ID:	CITY-WATER	SDG No.:	Q1944
Lab Sample ID:	Q1944-02	Matrix:	Water
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Acidity	4.00	U	1	4.00	10.0	mg/L		05/05/25 14:45	SM2310 B
Alkalinity	178		1	1.00	2.00	mg/L		05/05/25 12:37	SM 2320 B-11
Ammonia as N	0.040	J	1	0.030	0.10	mg/L	05/05/25 08:45	05/05/25 12:06	SM 4500-NH3 B plus G-11
pH	7.65	H	1	0	0	pH		05/02/25 16:00	9040C
Phenolics	0.015	U	1	0.015	0.050	mg/L	05/05/25 14:10	05/06/25 11:39	9065
TKN	0.11	J	1	0.11	0.50	mg/L	05/05/25 09:20	05/05/25 15:01	SM4500-N Org C-11 plus NH3 B plus G-11

Comments: The acidity to pH 8.31=4.00 mg CaCO3/L, The alkalinity to pH 4.38=178 mg CaCO3/L, pH result reported at temperature 23.6 °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:	05/01/25 12:00
Project:	Tank Farm - Acid Analysis	Date Received:	05/02/25
Client Sample ID:	CHILLER-WATER	SDG No.:	Q1944
Lab Sample ID:	Q1944-03	Matrix:	Water
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Acidity	62.0		1	4.00	10.0	mg/L		05/05/25 15:02	SM2310 B
Alkalinity	5650		1	1.00	2.00	mg/L		05/05/25 13:10	SM 2320 B-11
Ammonia as N	0.20		1	0.030	0.10	mg/L	05/05/25 08:45	05/05/25 12:06	SM 4500-NH3 B plus G-11
pH	8.99	H	1	0	0	pH		05/02/25 16:15	9040C
Phenolics	0.015	U	1	0.015	0.050	mg/L	05/05/25 14:10	05/06/25 11:39	9065
TKN	12.5	OR	1	0.11	0.50	mg/L	05/05/25 09:20	05/05/25 15:12	SM4500-N Org C-11 plus NH3 B plus G-11

Comments: The acidity to pH 8.26=62.0 mg CaCO3/L, The alkalinity to pH 4.46=5650 mg CaCO3/L, pH result reported at temperature 24.1 °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:	05/01/25 00:00
Project:	Tank Farm - Acid Analysis	Date Received:	05/02/25
Client Sample ID:	CHILLER-WATERDL	SDG No.:	Q1944
Lab Sample ID:	Q1944-03DL	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
TKN	12.3	D	2	0.22	1.00	mg/L	05/05/25 09:20	05/05/25 15:46	SM4500-N Org C-11 plus 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
* = 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:	Q1944	**OrderDate:**	5/2/2025 11:13:00 AM
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
Q1944-01	**MELTED-RUBBER-SAMPLE**	**SOIL**			**05/02/25 12:00**			**05/02/25**
			pH	9045D			05/02/25 15:50	
			Phenolics	9065		05/05/25	05/06/25 11:38	
			TKN	SM4500-N Org C-11 plus NH3 B plus G-11		05/05/25	05/05/25 15:12	
Q1944-01DL	**MELTED-RUBBER-SAMPLEDL**	**SOIL**			**05/02/25 00:00**			**05/02/25**
			TKN	SM4500-N Org C-11 plus NH3 B plus G-11		05/05/25	05/05/25 15:46	
Q1944-02	**CITY-WATER**	**Water**			**05/01/25 12:00**			**05/02/25**
			Acidity	SM2310 B			05/05/25 14:45	
			pH	9040C			05/02/25 16:00	
			Alkalinity	SM2320 B			05/05/25 12:37	
			Ammonia	SM4500-NH3		05/05/25	05/05/25 12:06	
			Phenolics	9065		05/05/25	05/06/25 11:39	

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			TKN	SM4500-N Org C-11 plus NH3 B plus G-11		05/05/25	05/05/25 15:01
Q1944-03	**CHILLER-WATER**	**Water**			**05/01/25 12:00**		**05/02/25**
			Acidity	SM2310 B			05/05/25 15:02
			pH	9040C			05/02/25 16:15
			Alkalinity	SM2320 B			05/05/25 13:10
			Ammonia	SM4500-NH3		05/05/25	05/05/25 12:06
			Phenolics	9065		05/05/25	05/06/25 11:39
			TKN	SM4500-N Org C-11 plus NH3 B plus G-11		05/05/25	05/05/25 15:12
Q1944-03DL	**CHILLER-WATERDL**	**WATER**			**05/01/25 00:00**		**05/02/25**
			TKN	SM4500-N Org C-11 plus NH3 B plus G-11		05/05/25	05/05/25 15:46

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. Q1944
COC Number 2045835

7
7.1

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Metem Ge vernova
ADDRESS: 700 parsippany Rd
CITY parsippany STATE: NJ ZIP: 07054
ATTENTION: Sundus pervez
PHONE: 862-289-2531 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME:
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): 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: Metals 2: 24 3: Phenols 4: Acetone 5: Alkalinity 6: TKN Waters 7: 8: 9:

PRESERVATIVES

COMMENTS

← Specify Preservatives
A-HCl D-NaOH
B-HNO3 E-ICE
C-H2SO4 F-OTHER

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRES 1	PRES 2	PRES 3	PRES 4	PRES 5	PRES 6	PRES 7	PRES 8	PRES 9
1.	City water	Liquid		✓	5/1/25		2	✓	✓	✓	✓	✓	✓	✓		
2.	Chiller water	Liquid		✓	5/1/25		2	✓	✓	✓	✓	✓	✓	✓		
3.	Melted Rubber Sample	Solid		✓	5/2/25		1	✓	✓	✓	✓	✓	✓	✓		
4.																
5.																
6.																
7.																
8.																
9.																
10.																

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

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1. Sneha Pravez	5/2/25 10am	1.
2.		2.
3.	5.2.2025 10:30	3.

Conditions of bottles or coolers at receipt: ❑ COMPLIANT ❑ NON COMPLIANT ✓ COOLER TEMP 4.0c °C
Comments: IR Gun #1 (Adjusted Factor +1)

Page 1 of 1

CLIENT: ❑ Hand Delivered ❑ Other

Shipment Complete ❑ YES ❑ NO

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

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