



A

B

C

SAMPLE DATA

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

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

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

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

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

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N =Spiked sample recovery not within control limits

LAB CHRONICLE

OrderID:	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	

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-CO NTAINMENT	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-CO NTAINMENTDL	WATER	04/24/25 12:00	04/24/25
-------------------	---	--------------	---------------------------	-----------------

LAB CHRONICLE

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