

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

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

A

B

C

D

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

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

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

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

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				
			Metals ICP-TAL	6010D				
Q1879-02	STEM-32-NITRIC-ACID	Water			04/24/25			04/24/25
			Mercury	7470A				
			Metals ICP-TAL	6010D				
Q1879-03	STEM-46-NITRIC-ACID	Water			04/24/25			04/24/25
			Mercury	7470A				
			Metals ICP-TAL	6010D				
Q1879-04	ACID-MIXTURE-TF-CO NTAINMENT	Water			04/24/25			04/24/25
			Mercury	7470A				
			Metals ICP-TAL	6010D				



SAMPLE DATA

A

B

C

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

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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

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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
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Q1879-03	STEM-46-NITRIC-ACID	Water	04/24/25 09:00	04/24/25
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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
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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
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LAB CHRONICLE

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