

Hit Summary Sheet
SW-846

SDG No.:	Q1836	Order ID:	Q1836
Client:	Vartan Manufacturing Corp.	Project ID:	NYCDEP Permit No. 25-P3067-1

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : METALS-DAY-1								
Q1836-01	METALS-DAY-1	Water	Copper	0.041		0.0019	0.010	mg/L
Q1836-01	METALS-DAY-1	Water	Lead	0.0014	J	0.0012	0.0060	mg/L
Q1836-01	METALS-DAY-1	Water	Nickel	0.0028	J	0.0019	0.020	mg/L
Q1836-01	METALS-DAY-1	Water	Zinc	0.015	J	0.0020	0.020	mg/L
Client ID : METALS-DAY-2								
Q1836-02	METALS-DAY-2	Water	Copper	0.11		0.0019	0.010	mg/L
Q1836-02	METALS-DAY-2	Water	Lead	0.0019	J	0.0012	0.0060	mg/L
Q1836-02	METALS-DAY-2	Water	Mercury	0.00011	J	0.000027	0.00020	mg/L
Q1836-02	METALS-DAY-2	Water	Nickel	0.0072	J	0.0019	0.020	mg/L
Q1836-02	METALS-DAY-2	Water	Silver	0.0042	J	0.00081	0.0050	mg/L
Q1836-02	METALS-DAY-2	Water	Zinc	0.052		0.0020	0.020	mg/L
Client ID : METALS-DAY-3								
Q1836-03	METALS-DAY-3	Water	Copper	0.053		0.0019	0.010	mg/L
Q1836-03	METALS-DAY-3	Water	Nickel	0.0046	J	0.0019	0.020	mg/L
Q1836-03	METALS-DAY-3	Water	Zinc	0.025		0.0020	0.020	mg/L
Client ID : METALS-DAY-4								
Q1836-04	METALS-DAY-4	Water	Copper	0.079		0.0019	0.010	mg/L
Q1836-04	METALS-DAY-4	Water	Lead	0.0042	J	0.0012	0.0060	mg/L
Q1836-04	METALS-DAY-4	Water	Mercury	0.000047	J	0.000027	0.00020	mg/L
Q1836-04	METALS-DAY-4	Water	Nickel	0.0044	J	0.0019	0.020	mg/L
Q1836-04	METALS-DAY-4	Water	Silver	0.0020	J	0.00081	0.0050	mg/L
Q1836-04	METALS-DAY-4	Water	Zinc	0.035		0.0020	0.020	mg/L



SAMPLE DATA

A

B

C

D

Report of Analysis

Client:	Vartan Manufacturing Corp.	Date Collected:	04/21/25
Project:	NYCDEP Permit No. 25-P3067-1	Date Received:	04/25/25
Client Sample ID:	METALS-DAY-1	SDG No.:	Q1836
Lab Sample ID:	Q1836-01	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7440-43-9	Cadmium	0.00031	U	1	0.00031	0.0030	mg/L	04/28/25 10:05	04/30/25 17:56	EPA 200.7	
7440-47-3	Chromium	0.00053	U	1	0.00053	0.0050	mg/L	04/28/25 10:05	04/30/25 17:56	EPA 200.7	
7440-50-8	Copper	0.041		1	0.0019	0.010	mg/L	04/28/25 10:05	04/30/25 17:56	EPA 200.7	
7439-92-1	Lead	0.0014	J	1	0.0012	0.0060	mg/L	04/28/25 10:05	04/30/25 17:56	EPA 200.7	
7439-97-6	Mercury	0.000027	U	1	0.000027	0.00020	mg/L	04/30/25 08:00	04/30/25 10:25	E245.1	
7439-98-7	Molybdenum	0.0088	U	1	0.0088	0.10	mg/L	04/28/25 10:05	04/30/25 17:56	EPA 200.7	
7440-02-0	Nickel	0.0028	J	1	0.0019	0.020	mg/L	04/28/25 10:05	04/30/25 17:56	EPA 200.7	
7440-22-4	Silver	0.00081	UN	1	0.00081	0.0050	mg/L	04/28/25 10:05	04/30/25 17:56	EPA 200.7	
7440-66-6	Zinc	0.015	J	1	0.0020	0.020	mg/L	04/28/25 10:05	04/30/25 17:56	EPA 200.7	

Color Before:	Colorless	Clarity Before:	Clear	Texture:
Color After:	Colorless	Clarity After:	Clear	Artifacts:
Comments:	Metals Group1			

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:	Vartan Manufacturing Corp.	Date Collected:	04/22/25
Project:	NYCDEP Permit No. 25-P3067-1	Date Received:	04/25/25
Client Sample ID:	METALS-DAY-2	SDG No.:	Q1836
Lab Sample ID:	Q1836-02	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.
7440-43-9	Cadmium	0.00031	U	1	0.00031	0.0030	mg/L	04/28/25 10:05	04/30/25 18:00	EPA 200.7	
7440-47-3	Chromium	0.00053	U	1	0.00053	0.0050	mg/L	04/28/25 10:05	04/30/25 18:00	EPA 200.7	
7440-50-8	Copper	0.11		1	0.0019	0.010	mg/L	04/28/25 10:05	04/30/25 18:00	EPA 200.7	
7439-92-1	Lead	0.0019	J	1	0.0012	0.0060	mg/L	04/28/25 10:05	04/30/25 18:00	EPA 200.7	
7439-97-6	Mercury	0.00011	J	1	0.000027	0.00020	mg/L	04/30/25 08:00	04/30/25 10:41	E245.1	
7439-98-7	Molybdenum	0.0088	U	1	0.0088	0.10	mg/L	04/28/25 10:05	04/30/25 18:00	EPA 200.7	
7440-02-0	Nickel	0.0072	J	1	0.0019	0.020	mg/L	04/28/25 10:05	04/30/25 18:00	EPA 200.7	
7440-22-4	Silver	0.0042	JN	1	0.00081	0.0050	mg/L	04/28/25 10:05	04/30/25 18:00	EPA 200.7	
7440-66-6	Zinc	0.052		1	0.0020	0.020	mg/L	04/28/25 10:05	04/30/25 18:00	EPA 200.7	

Color Before:	Colorless	Clarity Before:	Clear	Texture:
Color After:	Colorless	Clarity After:	Clear	Artifacts:
Comments:	Metals Group1			

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:	Vartan Manufacturing Corp.	Date Collected:	04/23/25
Project:	NYCDEP Permit No. 25-P3067-1	Date Received:	04/25/25
Client Sample ID:	METALS-DAY-3	SDG No.:	Q1836
Lab Sample ID:	Q1836-03	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.
7440-43-9	Cadmium	0.00031	U	1	0.00031	0.0030	mg/L	04/28/25 10:05	04/30/25 18:04	EPA 200.7	
7440-47-3	Chromium	0.00053	U	1	0.00053	0.0050	mg/L	04/28/25 10:05	04/30/25 18:04	EPA 200.7	
7440-50-8	Copper	0.053		1	0.0019	0.010	mg/L	04/28/25 10:05	04/30/25 18:04	EPA 200.7	
7439-92-1	Lead	0.0012	U	1	0.0012	0.0060	mg/L	04/28/25 10:05	04/30/25 18:04	EPA 200.7	
7439-97-6	Mercury	0.000027	U	1	0.000027	0.00020	mg/L	04/30/25 08:00	04/30/25 10:43	E245.1	
7439-98-7	Molybdenum	0.0088	U	1	0.0088	0.10	mg/L	04/28/25 10:05	04/30/25 18:04	EPA 200.7	
7440-02-0	Nickel	0.0046	J	1	0.0019	0.020	mg/L	04/28/25 10:05	04/30/25 18:04	EPA 200.7	
7440-22-4	Silver	0.00081	UN	1	0.00081	0.0050	mg/L	04/28/25 10:05	04/30/25 18:04	EPA 200.7	
7440-66-6	Zinc	0.025		1	0.0020	0.020	mg/L	04/28/25 10:05	04/30/25 18:04	EPA 200.7	

Color Before:	Colorless	Clarity Before:	Clear	Texture:
Color After:	Colorless	Clarity After:	Clear	Artifacts:
Comments:	Metals Group1			

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:	Vartan Manufacturing Corp.	Date Collected:	04/24/25
Project:	NYCDEP Permit No. 25-P3067-1	Date Received:	04/25/25
Client Sample ID:	METALS-DAY-4	SDG No.:	Q1836
Lab Sample ID:	Q1836-04	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.
7440-43-9	Cadmium	0.00031	U	1	0.00031	0.0030	mg/L	04/28/25 10:05	04/30/25 18:08	EPA 200.7	
7440-47-3	Chromium	0.00053	U	1	0.00053	0.0050	mg/L	04/28/25 10:05	04/30/25 18:08	EPA 200.7	
7440-50-8	Copper	0.079		1	0.0019	0.010	mg/L	04/28/25 10:05	04/30/25 18:08	EPA 200.7	
7439-92-1	Lead	0.0042	J	1	0.0012	0.0060	mg/L	04/28/25 10:05	04/30/25 18:08	EPA 200.7	
7439-97-6	Mercury	0.000047	J	1	0.000027	0.00020	mg/L	04/30/25 08:00	04/30/25 10:45	E245.1	
7439-98-7	Molybdenum	0.0088	U	1	0.0088	0.10	mg/L	04/28/25 10:05	04/30/25 18:08	EPA 200.7	
7440-02-0	Nickel	0.0044	J	1	0.0019	0.020	mg/L	04/28/25 10:05	04/30/25 18:08	EPA 200.7	
7440-22-4	Silver	0.0020	JN	1	0.00081	0.0050	mg/L	04/28/25 10:05	04/30/25 18:08	EPA 200.7	
7440-66-6	Zinc	0.035		1	0.0020	0.020	mg/L	04/28/25 10:05	04/30/25 18:08	EPA 200.7	

Color Before:	Colorless	Clarity Before:	Clear	Texture:
Color After:	Colorless	Clarity After:	Clear	Artifacts:
Comments:	Metals Group1			

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:	Q1836	OrderDate:	4/18/2025 10:20:00 AM
Client:	Vartan Manufacturing Corp.	Project:	NYCDEP Permit No. 25-P3067-1
Contact:	Herman Demirciyan	Location:	L31

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1836-01	METALS-DAY-1	Water	Mercury	245.1	04/21/25	04/30/25	04/30/25	04/25/25
			Metals ICP-Group1	200.7		04/28/25	04/30/25	
Q1836-02	METALS-DAY-2	Water	Mercury	245.1	04/22/25	04/30/25	04/30/25	04/25/25
			Metals ICP-Group1	200.7		04/28/25	04/30/25	
Q1836-03	METALS-DAY-3	Water	Mercury	245.1	04/23/25	04/30/25	04/30/25	04/25/25
			Metals ICP-Group1	200.7		04/28/25	04/30/25	
Q1836-04	METALS-DAY-4	Water	Mercury	245.1	04/24/25	04/30/25	04/30/25	04/25/25
			Metals ICP-Group1	200.7		04/28/25	04/30/25	



SAMPLE DATA

A

B

C

Report of Analysis

Client:	Vartan Manufacturing Corp.	Date Collected:	04/25/25 12:00
Project:	NYCDEP Permit No. 25-P3067-1	Date Received:	04/25/25
Client Sample ID:	CYANIDE-1	SDG No.:	Q1836
Lab Sample ID:	Q1836-05	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Cyanide	0.0016	J	1	0.0012	0.0050	mg/L	04/28/25 08:00	04/28/25 12:33	SM 4500-CN C-16 plus E-16

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

Report of Analysis

Client:	Vartan Manufacturing Corp.	Date Collected:	04/25/25 12:02
Project:	NYCDEP Permit No. 25-P3067-1	Date Received:	04/25/25
Client Sample ID:	CYANIDE-2	SDG No.:	Q1836
Lab Sample ID:	Q1836-06	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Cyanide	0.0012	U	1	0.0012	0.0050	mg/L	04/28/25 08:00	04/28/25 12:38	SM 4500-CN C-16 plus E-16

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

Report of Analysis

Client:	Vartan Manufacturing Corp.	Date Collected:	04/25/25 12:04
Project:	NYCDEP Permit No. 25-P3067-1	Date Received:	04/25/25
Client Sample ID:	CYANIDE-3	SDG No.:	Q1836
Lab Sample ID:	Q1836-07	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Cyanide	0.0012	U	1	0.0012	0.0050	mg/L	04/28/25 08:00	04/28/25 12:38	SM 4500-CN C-16 plus E-16

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

Report of Analysis

Client:	Vartan Manufacturing Corp.	Date Collected:	04/25/25 12:06
Project:	NYCDEP Permit No. 25-P3067-1	Date Received:	04/25/25
Client Sample ID:	CYANIDE-4	SDG No.:	Q1836
Lab Sample ID:	Q1836-08	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Cyanide	0.0012	U	1	0.0012	0.0050	mg/L	04/28/25 08:00	04/28/25 12:58	SM 4500-CN C-16 plus E-16

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:	Q1836	OrderDate:	4/18/2025 10:20:00 AM
Client:	Vartan Manufacturing Corp.	Project:	NYCDEP Permit No. 25-P3067-1
Contact:	Herman Demirciyan	Location:	L31

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1836-05	CYANIDE-1	WATER			04/25/25 12:00			04/25/25
			Cyanide	SM4500-CN C,E		04/28/25	04/28/25 12:33	
Q1836-06	CYANIDE-2	WATER			04/25/25 12:02			04/25/25
			Cyanide	SM4500-CN C,E		04/28/25	04/28/25 12:38	
Q1836-07	CYANIDE-3	WATER			04/25/25 12:04			04/25/25
			Cyanide	SM4500-CN C,E		04/28/25	04/28/25 12:38	
Q1836-08	CYANIDE-4	WATER			04/25/25 12:06			04/25/25
			Cyanide	SM4500-CN C,E		04/28/25	04/28/25 12:58	