

Hit Summary Sheet
SW-846

SDG No.: Q3016 **Order ID:** Q3016
Client: Alliance Technical Group, LLC - Newark **Project ID:** NJ Waste Water PT

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : WP0925-PT-TM1-WP								
Q3016-01	WP0925-PT-TM1-WP	Water	Aluminum	3230		30.8	100	ug/L
Q3016-01	WP0925-PT-TM1-WP	Water	Antimony	633		5.44	50.0	ug/L
Q3016-01	WP0925-PT-TM1-WP	Water	Arsenic	222		3.70	20.0	ug/L
Q3016-01	WP0925-PT-TM1-WP	Water	Barium	1560		19.5	100	ug/L
Q3016-01	WP0925-PT-TM1-WP	Water	Beryllium	237		0.54	6.00	ug/L
Q3016-01	WP0925-PT-TM1-WP	Water	Boron	954		13.8	100	ug/L
Q3016-01	WP0925-PT-TM1-WP	Water	Cadmium	372		0.62	6.00	ug/L
Q3016-01	WP0925-PT-TM1-WP	Water	Chromium	875		1.06	10.0	ug/L
Q3016-01	WP0925-PT-TM1-WP	Water	Cobalt	294		2.32	30.0	ug/L
Q3016-01	WP0925-PT-TM1-WP	Water	Copper	356		3.78	20.0	ug/L
Q3016-01	WP0925-PT-TM1-WP	Water	Iron	2270		36.0	100	ug/L
Q3016-01	WP0925-PT-TM1-WP	Water	Lead	996		2.42	12.0	ug/L
Q3016-01	WP0925-PT-TM1-WP	Water	Manganese	889		4.92	20.0	ug/L
Q3016-01	WP0925-PT-TM1-WP	Water	Molybdenum	270		17.6	200	ug/L
Q3016-01	WP0925-PT-TM1-WP	Water	Nickel	611		3.80	40.0	ug/L
Q3016-01	WP0925-PT-TM1-WP	Water	Selenium	500		5.04	20.0	ug/L
Q3016-01	WP0925-PT-TM1-WP	Water	Silver	650		1.62	10.0	ug/L
Q3016-01	WP0925-PT-TM1-WP	Water	Thallium	613		5.02	40.0	ug/L
Q3016-01	WP0925-PT-TM1-WP	Water	Vanadium	1250		4.98	40.0	ug/L
Q3016-01	WP0925-PT-TM1-WP	Water	Zinc	1160		4.00	40.0	ug/L
Client ID : WP0925-PT-SNTI-WP								
Q3016-03	WP0925-PT-SNTI-WP	Water	Tin	671		5.36	40.0	ug/L
Q3016-03	WP0925-PT-SNTI-WP	Water	Titanium	81.0		7.82	40.0	ug/L
Client ID : WP0925-PT-MIN2-WP								
Q3016-05	WP0925-PT-MIN2-WP	Water	Calcium	79900		173	2000	ug/L
Q3016-05	WP0925-PT-MIN2-WP	Water	Calcium Hardness	200000		432	4990	ug/L
Q3016-05	WP0925-PT-MIN2-WP	Water	Magnesium	28000		208	2000	ug/L
Q3016-05	WP0925-PT-MIN2-WP	Water	Potassium	8330		618	2000	ug/L
Q3016-05	WP0925-PT-MIN2-WP	Water	Sodium	25200		734	2000	ug/L
Q3016-05	WP0925-PT-MIN2-WP	Water	Hardness, Total	315000		1290	13200	ug/L
Client ID : WP0925-PT-SIO2-WP								
Q3016-07	WP0925-PT-SIO2-WP	Water	Dissolved Silica	72100	D	400	4280	ug/L
Client ID : WP0925-PT-HG-WP								
Q3016-08	WP0925-PT-HG-WP	Water	Mercury	27.0	D	0.14	1.00	ug/L



SAMPLE DATA

A

B

C

D

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	09/02/25
Project:	NJ Waste Water PT	Date Received:	09/04/25
Client Sample ID:	WP0925-PT-TM1-WP	SDG No.:	Q3016
Lab Sample ID:	Q3016-01	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	3230		1	30.8	100	ug/L	09/23/25 09:30	09/26/25 14:39	EPA 200.7	
7440-36-0	Antimony	633		1	5.44	50.0	ug/L	09/23/25 09:30	09/26/25 14:39	EPA 200.7	
7440-38-2	Arsenic	222		1	3.70	20.0	ug/L	09/23/25 09:30	09/26/25 14:39	EPA 200.7	
7440-39-3	Barium	1560		1	19.5	100	ug/L	09/23/25 09:30	09/26/25 14:39	EPA 200.7	
7440-41-7	Beryllium	237		1	0.54	6.00	ug/L	09/23/25 09:30	09/26/25 14:39	EPA 200.7	
7440-42-8	Boron	954		1	13.8	100	ug/L	09/23/25 09:30	09/26/25 14:39	EPA 200.7	
7440-43-9	Cadmium	372		1	0.62	6.00	ug/L	09/23/25 09:30	09/26/25 14:39	EPA 200.7	
7440-47-3	Chromium	875		1	1.06	10.0	ug/L	09/23/25 09:30	09/26/25 14:39	EPA 200.7	
7440-48-4	Cobalt	294		1	2.32	30.0	ug/L	09/23/25 09:30	09/26/25 14:39	EPA 200.7	
7440-50-8	Copper	356		1	3.78	20.0	ug/L	09/23/25 09:30	09/26/25 14:39	EPA 200.7	
7439-89-6	Iron	2270		1	36.0	100	ug/L	09/23/25 09:30	09/26/25 14:39	EPA 200.7	
7439-92-1	Lead	996		1	2.42	12.0	ug/L	09/23/25 09:30	09/26/25 14:39	EPA 200.7	
7439-96-5	Manganese	889		1	4.92	20.0	ug/L	09/23/25 09:30	09/26/25 14:39	EPA 200.7	
7439-98-7	Molybdenum	270		1	17.6	200	ug/L	09/23/25 09:30	09/26/25 14:39	EPA 200.7	
7440-02-0	Nickel	611		1	3.80	40.0	ug/L	09/23/25 09:30	09/26/25 14:39	EPA 200.7	
7782-49-2	Selenium	500		1	5.04	20.0	ug/L	09/23/25 09:30	09/26/25 14:39	EPA 200.7	
7440-22-4	Silver	650		1	1.62	10.0	ug/L	09/23/25 09:30	09/26/25 14:39	EPA 200.7	
7440-28-0	Thallium	613		1	5.02	40.0	ug/L	09/23/25 09:30	09/26/25 14:39	EPA 200.7	
7440-62-2	Vanadium	1250		1	4.98	40.0	ug/L	09/23/25 09:30	09/26/25 14:39	EPA 200.7	
7440-66-6	Zinc	1160		1	4.00	40.0	ug/L	09/23/25 09:30	09/26/25 14:39	EPA 200.7	

Color Before:	Colorless	Clarity Before:	Clear	Texture:
Color After:	Colorless	Clarity After:	Clear	Artifacts:
Comments:	Metals Group3			

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:	Alliance Technical Group, LLC - Newark	Date Collected:	09/02/25
Project:	NJ Waste Water PT	Date Received:	09/04/25
Client Sample ID:	WP0925-PT-SNTI-WP	SDG No.:	Q3016
Lab Sample ID:	Q3016-03	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.
7440-31-5	Tin	671		1	5.36	40.0	ug/L	09/23/25 09:30	09/26/25 14:27	EPA 200.7	
7440-32-6	Titanium	81.0		1	7.82	40.0	ug/L	09/23/25 09:30	09/26/25 14:27	EPA 200.7	

Color Before:	Colorless	Clarity Before:	Clear	Texture:
Color After:	Colorless	Clarity After:	Clear	Artifacts:
Comments:	Metals Group4			

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Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	09/02/25
Project:	NJ Waste Water PT	Date Received:	09/04/25
Client Sample ID:	WP0925-PT-MIN2-WP	SDG No.:	Q3016
Lab Sample ID:	Q3016-05	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.
7440-70-2	Calcium	79900	1	173		2000	ug/L	09/23/25 09:30	09/26/25 14:14	EPA 200.7	
Calcium	Calcium	200000	1	432		4990	ug/L	09/23/25 09:30	09/26/25 14:14	EPA 200.7	
Hardness	Hardness										
Hardness	Hardness, Total	315000	1	1290		13200	ug/L	09/23/25 09:30	09/26/25 14:14	EPA 200.7	
7439-95-4	Magnesium	28000	1	208		2000	ug/L	09/23/25 09:30	09/26/25 14:14	EPA 200.7	
7440-09-7	Potassium	8330	1	618		2000	ug/L	09/23/25 09:30	09/26/25 14:14	EPA 200.7	
7440-23-5	Sodium	25200	1	734		2000	ug/L	09/23/25 09:30	09/26/25 14:14	EPA 200.7	

Color Before:	Colorless	Clarity Before:	Clear	Texture:
Color After:	Colorless	Clarity After:	Clear	Artifacts:
Comments:	Hardness, Calcium			

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 OR = Over Range
 N = Spiked sample recovery not within control limits

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	09/02/25
Project:	NJ Waste Water PT	Date Received:	09/04/25
Client Sample ID:	WP0925-PT-SIO2-WP	SDG No.:	Q3016
Lab Sample ID:	Q3016-07	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.
Dissolved Silica	Dissolved Silica	72100	D	5	400	4280	ug/L	09/23/25 09:30	09/26/25 14:53	EPA 200.7	

Color Before:	Colorless	Clarity Before:	Clear	Texture:
Color After:	Colorless	Clarity After:	Clear	Artifacts:
Comments:	Silica			

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 LOD = Limit of Detection
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 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:	Alliance Technical Group, LLC - Newark	Date Collected:	09/02/25
Project:	NJ Waste Water PT	Date Received:	09/04/25
Client Sample ID:	WP0925-PT-HG-WP	SDG No.:	Q3016
Lab Sample ID:	Q3016-08	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.
7439-97-6	Mercury	27.0	D	5	0.14	1.00	ug/L	10/02/25 09:05	10/02/25 13:23	E245.1	

Color Before:

Clarity Before:

Texture:

Color After:

Clarity After:

Artifacts:

Comments: Mercury

U = Not Detected

LOQ = Limit of Quantitation

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LAB CHRONICLE

OrderID:	Q3016	OrderDate:	9/4/2025 10:18:00 AM
Client:	Alliance Technical Group, LLC - Newark	Project:	NJ Waste Water PT
Contact:	Mohammad Ahmed	Location:	QA Office

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3016-01	WP0925-PT-TM1-WP	Water	Metals Group3	200.7	09/02/25	09/23/25	09/26/25	09/04/25
Q3016-03	WP0925-PT-SNTI-WP	Water	Metals Group4	200.7	09/02/25	09/23/25	09/26/25	09/04/25
Q3016-05	WP0925-PT-MIN2-WP	Water	Hardness, Calcium Metals Group5	SM2340B 200.7	09/02/25	09/23/25 09/23/25	09/26/25 09/26/25	09/04/25
Q3016-07	WP0925-PT-SIO2-WP	Water	Silica	200.7	09/02/25	09/23/25	09/26/25	09/04/25
Q3016-08	WP0925-PT-HG-WP	Water	Mercury	245.1	09/02/25	10/02/25	10/02/25	09/04/25