

Hit Summary Sheet SW-846

SDG No.:	Q2785	Order ID:	Q2785
Client:	Xin Nie	Project ID:	NJUC residential water quality testing

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : WATER								
Q2785-01	WATER	Water	Aluminum	84.1		15.4	50.0	ug/L
Q2785-01	WATER	Water	Barium	46.6	J	9.75	50.0	ug/L
Q2785-01	WATER	Water	Cadmium	0.77	J	0.31	3.00	ug/L
Q2785-01	WATER	Water	Calcium	28600		86.4	1000	ug/L
Q2785-01	WATER	Water	Copper	6.75	J	1.89	10.0	ug/L
Q2785-01	WATER	Water	Iron	34.8	J	18.0	50.0	ug/L
Q2785-01	WATER	Water	Lead	26.8		1.21	6.00	ug/L
Q2785-01	WATER	Water	Magnesium	5880		104	1000	ug/L
Q2785-01	WATER	Water	Manganese	12.7		2.46	10.0	ug/L
Q2785-01	WATER	Water	Nickel	2.48	J	1.90	20.0	ug/L
Q2785-01	WATER	Water	Potassium	1740		309	1000	ug/L
Q2785-01	WATER	Water	Sodium	57800		367	1000	ug/L
Q2785-01	WATER	Water	Zinc	441		2.00	20.0	ug/L



SAMPLE DATA

A

B

C

D

Report of Analysis

Client:	Xin Nie	Date Collected:	08/05/25
Project:	NJUC residential water quality testing	Date Received:	08/06/25
Client Sample ID:	WATER	SDG No.:	Q2785
Lab Sample ID:	Q2785-01	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	84.1		1	15.4	50.0	ug/L	08/11/25 12:55	08/12/25 13:20	EPA 200.7	
7440-36-0	Antimony	2.72	U	1	2.72	25.0	ug/L	08/11/25 12:55	08/12/25 13:20	EPA 200.7	
7440-38-2	Arsenic	1.85	U	1	1.85	10.0	ug/L	08/11/25 12:55	08/12/25 13:20	EPA 200.7	
7440-39-3	Barium	46.6	J	1	9.75	50.0	ug/L	08/11/25 12:55	08/12/25 13:20	EPA 200.7	
7440-41-7	Beryllium	0.27	U	1	0.27	3.00	ug/L	08/11/25 12:55	08/12/25 13:20	EPA 200.7	
7440-43-9	Cadmium	0.77	J	1	0.31	3.00	ug/L	08/11/25 12:55	08/12/25 13:20	EPA 200.7	
7440-70-2	Calcium	28600		1	86.4	1000	ug/L	08/11/25 12:55	08/12/25 13:20	EPA 200.7	
7440-47-3	Chromium	0.53	U	1	0.53	5.00	ug/L	08/11/25 12:55	08/12/25 13:20	EPA 200.7	
7440-48-4	Cobalt	1.16	U	1	1.16	15.0	ug/L	08/11/25 12:55	08/12/25 13:20	EPA 200.7	
7440-50-8	Copper	6.75	J	1	1.89	10.0	ug/L	08/11/25 12:55	08/12/25 13:20	EPA 200.7	
7439-89-6	Iron	34.8	J	1	18.0	50.0	ug/L	08/11/25 12:55	08/12/25 13:20	EPA 200.7	
7439-92-1	Lead	26.8		1	1.21	6.00	ug/L	08/11/25 12:55	08/12/25 13:20	EPA 200.7	
7439-95-4	Magnesium	5880	N	1	104	1000	ug/L	08/11/25 12:55	08/12/25 13:20	EPA 200.7	
7439-96-5	Manganese	12.7		1	2.46	10.0	ug/L	08/11/25 12:55	08/12/25 13:20	EPA 200.7	
7439-97-6	Mercury	0.027	U	1	0.027	0.20	ug/L	08/12/25 13:50	08/12/25 18:01	E245.1	
7440-02-0	Nickel	2.48	J	1	1.90	20.0	ug/L	08/11/25 12:55	08/12/25 13:20	EPA 200.7	
7440-09-7	Potassium	1740	N	1	309	1000	ug/L	08/11/25 12:55	08/12/25 13:20	EPA 200.7	
7782-49-2	Selenium	2.52	U	1	2.52	10.0	ug/L	08/11/25 12:55	08/12/25 13:20	EPA 200.7	
7440-22-4	Silver	0.81	U	1	0.81	5.00	ug/L	08/11/25 12:55	08/12/25 13:20	EPA 200.7	
7440-23-5	Sodium	57800		1	367	1000	ug/L	08/11/25 12:55	08/12/25 13:20	EPA 200.7	
7440-28-0	Thallium	2.51	U	1	2.51	20.0	ug/L	08/11/25 12:55	08/12/25 13:20	EPA 200.7	
7440-62-2	Vanadium	2.49	U	1	2.49	20.0	ug/L	08/11/25 12:55	08/12/25 13:20	EPA 200.7	
7440-66-6	Zinc	441	N	1	2.00	20.0	ug/L	08/11/25 12:55	08/12/25 13:20	EPA 200.7	

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

LAB CHRONICLE

OrderID:	Q2785	OrderDate:	8/6/2025 11:37:24 AM
Client:	Xin Nie	Project:	NJUC residential water quality testing
Contact:	Xin Nie	Location:	D31

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2785-01	WATER	Water			08/05/25			08/06/25
			Mercury	245.1		08/12/25	08/12/25	
			Metals ICP-TAL	200.7		08/11/25	08/12/25	