

Report of Analysis

Client: PSEG
Project: South Mahwah Switch
Client Sample ID: SOUTH-MAHWAH-WATER
Lab Sample ID: Q3477-03
Level (low/med): low

Date Collected: 10/28/25
Date Received: 10/28/25
SDG No.: Q3477
Matrix: Water
% Solid: 0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	50.0	U	1	5.67	50.0	ug/L	10/29/25 09:35	10/31/25 13:29	6010D	
7440-36-0	Antimony	25.0	U	1	3.38	25.0	ug/L	10/29/25 09:35	10/31/25 13:29	6010D	
7440-38-2	Arsenic	10.0	U	1	2.56	10.0	ug/L	10/29/25 09:35	10/31/25 13:29	6010D	
7440-39-3	Barium	25.0	J	1	7.28	50.0	ug/L	10/29/25 09:35	10/31/25 13:29	6010D	
7440-41-7	Beryllium	3.00	U	1	0.28	3.00	ug/L	10/29/25 09:35	10/31/25 13:29	6010D	
7440-43-9	Cadmium	3.00	U	1	0.25	3.00	ug/L	10/29/25 09:35	10/31/25 13:29	6010D	
7440-70-2	Calcium	23600		1	117	1000	ug/L	10/29/25 09:35	10/31/25 13:29	6010D	
7440-47-3	Chromium	1.41	J	1	1.06	5.00	ug/L	10/29/25 09:35	10/31/25 13:29	6010D	
7440-48-4	Cobalt	15.0	U	1	1.13	15.0	ug/L	10/29/25 09:35	10/31/25 13:29	6010D	
7440-50-8	Copper	3.49	J	1	2.30	10.0	ug/L	10/29/25 09:35	10/31/25 13:29	6010D	
7439-89-6	Iron	1070		1	11.7	50.0	ug/L	10/29/25 09:35	10/31/25 13:29	6010D	
7439-92-1	Lead	3.66	J	1	1.15	6.00	ug/L	10/29/25 09:35	10/31/25 13:29	6010D	
7439-95-4	Magnesium	9150		1	122	1000	ug/L	10/29/25 09:35	10/31/25 13:29	6010D	
7439-96-5	Manganese	42.6		1	2.97	10.0	ug/L	10/29/25 09:35	10/31/25 13:29	6010D	
7439-97-6	Mercury	0.20	UN	1	0.076	0.20	ug/L	10/28/25 14:30	10/30/25 12:11	7470A	
7439-98-7	Molybdenum	100	U	1	9.37	100	ug/L	10/29/25 09:35	10/31/25 13:29	6010D	
7440-02-0	Nickel	20.0	U	1	1.53	20.0	ug/L	10/29/25 09:35	10/31/25 13:29	6010D	
7440-09-7	Potassium	2640		1	459	1000	ug/L	10/29/25 09:35	10/31/25 13:29	6010D	
7782-49-2	Selenium	10.0	U	1	4.82	10.0	ug/L	10/29/25 09:35	10/31/25 13:29	6010D	
7440-22-4	Silver	5.00	U	1	0.81	5.00	ug/L	10/29/25 09:35	10/31/25 13:29	6010D	
7440-23-5	Sodium	60800		1	434	1000	ug/L	10/29/25 09:35	10/31/25 13:29	6010D	
7440-28-0	Thallium	20.0	U	1	2.19	20.0	ug/L	10/29/25 09:35	10/31/25 13:29	6010D	
7440-62-2	Vanadium	20.0	U	1	3.13	20.0	ug/L	10/29/25 09:35	10/31/25 13:29	6010D	
7440-66-6	Zinc	115		1	8.33	20.0	ug/L	10/29/25 09:35	10/31/25 13:29	6010D	

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