

Report of Analysis

Client: PSEG
Project: South Mahwah Switch
Client Sample ID: SOUTH-MAHWAH-WATER
Lab Sample ID: Q3477-03

Date Collected: 10/28/25 10:40
Date Received: 10/28/25
SDG No.: Q3477
Matrix: WATER
% Solid: 0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Ammonia as N	0.10	U	1	0.030	0.10	mg/L	10/28/25 14:50	10/29/25 11:38	SM 4500-NH3 B plus G-21
Orthophosphate as P	1.00	U	1	0.34	1.00	mg/L		10/28/25 16:33	300.0
BOD5	2.00	U	1	0.20	2.00	mg/L		10/29/25 16:35	SM 5210 B-16
COD	10.0	U	1	1.50	10.0	mg/L		10/30/25 13:55	SM 5220 D-11
Flash Point	>212		1	0	0	o F		10/30/25 13:00	1010B
Dissolved Hexavalent Chromium	0.010	U	1	0.0030	0.010	mg/L		10/28/25 17:07	SM 3500-Cr B-20
pH	7.07	H	1	0	0	pH		10/28/25 15:20	9040C
Reactive Cyanide	0.0010	J	1	0.00096	0.0050	mg/L	10/30/25 10:15	10/30/25 13:32	
Reactive Sulfide	1.00	U	1	0.43	1.00	mg/L	10/30/25 09:15	10/30/25 11:33	9034
TKN	0.25	J	1	0.11	0.50	mg/L	10/29/25 08:50	10/29/25 14:34	SM4500-N Org C-21 plus NH3 B plus G-21
TOC	2.00		1	0.40	1.00	mg/L		10/29/25 12:31	9060A
TPH	1.80	J	1	0.29	5.00	mg/L		10/30/25 13:30	1664A
TS	289		1	1.00	5.00	mg/L		10/28/25 17:00	SM 2540 B-20
TSS	7.40		1	1.00	4.00	mg/L		10/31/25 09:45	SM 2540 D-20
TVS	138		1	1.00	10.0	mg/L		10/28/25 17:00	SM2540G

Comments: Other method reference for flash point : Pensky-Martens Closed Cup Flash Point ASTM D 93 - IP 34, pH result reported at temperature

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