

Report of Analysis

Client: PSEG
Project: South Mahwah Switch
Client Sample ID: SOUTH-MAHWAH-SOIL
Lab Sample ID: Q3477-01
Level (low/med): low

Date Collected: 10/28/25
Date Received: 10/28/25
SDG No.: Q3477
Matrix: SOIL
% Solid: 87.9

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	5450		1	0.80	4.74	mg/Kg	10/29/25 09:45	10/29/25 17:23	6010D	SW3010A
7440-36-0	Antimony	2.37	UN	1	0.21	2.37	mg/Kg	10/29/25 09:45	10/29/25 17:23	6010D	SW3010A
7440-38-2	Arsenic	2.28		1	0.18	0.95	mg/Kg	10/29/25 09:45	10/29/25 17:23	6010D	SW3010A
7440-39-3	Barium	23.5		1	0.69	4.74	mg/Kg	10/29/25 09:45	10/29/25 17:23	6010D	SW3010A
7440-41-7	Beryllium	0.48		1	0.024	0.28	mg/Kg	10/29/25 09:45	10/29/25 17:23	6010D	SW3010A
7440-43-9	Cadmium	0.17	J	1	0.023	0.28	mg/Kg	10/29/25 09:45	10/29/25 17:23	6010D	SW3010A
7440-70-2	Calcium	832	*	1	10.5	94.8	mg/Kg	10/29/25 09:45	10/29/25 17:23	6010D	SW3010A
7440-47-3	Chromium	7.91		1	0.045	0.47	mg/Kg	10/29/25 09:45	10/29/25 17:23	6010D	SW3010A
7440-48-4	Cobalt	5.03		1	0.095	1.42	mg/Kg	10/29/25 09:45	10/29/25 17:23	6010D	SW3010A
7440-50-8	Copper	10.2		1	0.21	0.95	mg/Kg	10/29/25 09:45	10/29/25 17:23	6010D	SW3010A
7439-89-6	Iron	10600		1	3.78	4.74	mg/Kg	10/29/25 09:45	10/29/25 17:23	6010D	SW3010A
7439-92-1	Lead	5.25		1	0.12	0.57	mg/Kg	10/29/25 09:45	10/29/25 17:23	6010D	SW3010A
7439-95-4	Magnesium	1670		1	11.4	94.8	mg/Kg	10/29/25 09:45	10/29/25 17:23	6010D	SW3010A
7439-96-5	Manganese	211		1	0.13	0.95	mg/Kg	10/29/25 09:45	10/29/25 17:23	6010D	SW3010A
7439-97-6	Mercury	0.010	J	1	0.0090	0.016	mg/Kg	10/29/25 10:20	10/29/25 14:34	7471B	7471B
7440-02-0	Nickel	9.14		1	0.12	1.90	mg/Kg	10/29/25 09:45	10/29/25 17:23	6010D	SW3010A
7440-09-7	Potassium	324		1	26.3	94.8	mg/Kg	10/29/25 09:45	10/29/25 17:23	6010D	SW3010A
7782-49-2	Selenium	0.95	U	1	0.25	0.95	mg/Kg	10/29/25 09:45	10/29/25 17:23	6010D	SW3010A
7440-22-4	Silver	0.47	U	1	0.11	0.47	mg/Kg	10/29/25 09:45	10/29/25 17:23	6010D	SW3010A
7440-23-5	Sodium	29.3	J	1	16.9	94.8	mg/Kg	10/29/25 09:45	10/29/25 17:23	6010D	SW3010A
7440-28-0	Thallium	1.90	U	1	0.22	1.90	mg/Kg	10/29/25 09:45	10/29/25 17:23	6010D	SW3010A
7440-62-2	Vanadium	13.8		1	0.24	1.90	mg/Kg	10/29/25 09:45	10/29/25 17:23	6010D	SW3010A
7440-66-6	Zinc	21.2	N	1	0.22	1.90	mg/Kg	10/29/25 09:45	10/29/25 17:23	6010D	SW3010A

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