

Report of Analysis

Client: PSEG
Project: PSEG Branch Brook Substation
Client Sample ID: CHRT27080
Lab Sample ID: Q3583-04
Level (low/med): low

Date Collected: 11/07/25
Date Received: 11/07/25
SDG No.: Q3583
Matrix: SOIL
% Solid: 14.6

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	7750		1	5.38	32.0	mg/Kg	11/10/25 14:40	11/10/25 20:46	6010D	SW3050
7440-36-0	Antimony	1.41	UN	1	1.41	16.0	mg/Kg	11/10/25 14:40	11/10/25 20:46	6010D	SW3050
7440-38-2	Arsenic	4.77	J	1	1.22	6.40	mg/Kg	11/10/25 14:40	11/10/25 20:46	6010D	SW3050
7440-39-3	Barium	52.5		1	4.67	32.0	mg/Kg	11/10/25 14:40	11/10/25 20:46	6010D	SW3050
7440-41-7	Beryllium	0.59	J	1	0.16	1.92	mg/Kg	11/10/25 14:40	11/10/25 20:46	6010D	SW3050
7440-43-9	Cadmium	0.34	J	1	0.15	1.92	mg/Kg	11/10/25 14:40	11/10/25 20:46	6010D	SW3050
7440-70-2	Calcium	6040		1	71.1	640	mg/Kg	11/10/25 14:40	11/10/25 20:46	6010D	SW3050
7440-47-3	Chromium	40.8		1	0.30	3.20	mg/Kg	11/10/25 14:40	11/10/25 20:46	6010D	SW3050
7440-48-4	Cobalt	6.36	J	1	0.64	9.60	mg/Kg	11/10/25 14:40	11/10/25 20:46	6010D	SW3050
7440-50-8	Copper	53.1	N*	1	1.41	6.40	mg/Kg	11/10/25 14:40	11/10/25 20:46	6010D	SW3050
7439-89-6	Iron	12800		1	25.5	32.0	mg/Kg	11/10/25 14:40	11/10/25 20:46	6010D	SW3050
7439-92-1	Lead	104		1	0.83	3.84	mg/Kg	11/10/25 14:40	11/10/25 20:46	6010D	SW3050
7439-95-4	Magnesium	3110		1	76.8	640	mg/Kg	11/10/25 14:40	11/10/25 20:46	6010D	SW3050
7439-96-5	Manganese	190		1	0.90	6.40	mg/Kg	11/10/25 14:40	11/10/25 20:46	6010D	SW3050
7439-97-6	Mercury	0.047	U	1	0.047	0.084	mg/Kg	11/11/25 08:40	11/11/25 15:06	7471B	
7440-02-0	Nickel	24.9		1	0.83	12.8	mg/Kg	11/10/25 14:40	11/10/25 20:46	6010D	SW3050
7440-09-7	Potassium	333	J	1	177	640	mg/Kg	11/10/25 14:40	11/10/25 20:46	6010D	SW3050
7782-49-2	Selenium	1.66	UN	1	1.66	6.40	mg/Kg	11/10/25 14:40	11/10/25 20:46	6010D	SW3050
7440-22-4	Silver	1.80	JN	1	0.77	3.20	mg/Kg	11/10/25 14:40	11/10/25 20:46	6010D	SW3050
7440-23-5	Sodium	2180	N	1	114	640	mg/Kg	11/10/25 14:40	11/10/25 20:46	6010D	SW3050
7440-28-0	Thallium	1.47	U	1	1.47	12.8	mg/Kg	11/10/25 14:40	11/10/25 20:46	6010D	SW3050
7440-62-2	Vanadium	33.4	N	1	1.60	12.8	mg/Kg	11/10/25 14:40	11/10/25 20:46	6010D	SW3050
7440-66-6	Zinc	215	*	1	1.47	12.8	mg/Kg	11/10/25 14:40	11/10/25 20:46	6010D	SW3050

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