

Report of Analysis

Client:	PSEG	Date Collected:	08/29/25
Project:	Mountain Ave Substation	Date Received:	08/29/25
Client Sample ID:	SOUTH-TP-5	SDG No.:	Q2989
Lab Sample ID:	Q2989-01	Matrix:	SOIL
Level (low/med):	low	% Solid:	87.4

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	9410		1	0.86	5.11	mg/Kg	09/02/25 10:35	09/02/25 16:16	6010D	SW3050
7440-36-0	Antimony	0.23	UN	1	0.23	2.55	mg/Kg	09/02/25 10:35	09/02/25 16:16	6010D	SW3050
7440-38-2	Arsenic	4.83	*	1	0.19	1.02	mg/Kg	09/02/25 10:35	09/02/25 16:16	6010D	SW3050
7440-39-3	Barium	17.6	N	1	0.75	5.11	mg/Kg	09/02/25 10:35	09/02/25 16:16	6010D	SW3050
7440-41-7	Beryllium	0.53		1	0.026	0.31	mg/Kg	09/02/25 10:35	09/02/25 16:16	6010D	SW3050
7440-43-9	Cadmium	0.65		1	0.025	0.31	mg/Kg	09/02/25 10:35	09/02/25 16:16	6010D	SW3050
7440-70-2	Calcium	2800		1	11.3	102	mg/Kg	09/02/25 10:35	09/02/25 16:16	6010D	SW3050
7440-47-3	Chromium	15.2		1	0.048	0.51	mg/Kg	09/02/25 10:35	09/02/25 16:16	6010D	SW3050
7440-48-4	Cobalt	12.3		1	0.10	1.53	mg/Kg	09/02/25 10:35	09/02/25 16:16	6010D	SW3050
7440-50-8	Copper	46.7	N*	1	0.23	1.02	mg/Kg	09/02/25 10:35	09/02/25 16:16	6010D	SW3050
7439-89-6	Iron	19400		1	4.08	5.11	mg/Kg	09/02/25 10:35	09/02/25 16:16	6010D	SW3050
7439-92-1	Lead	8.71	N*	1	0.13	0.61	mg/Kg	09/02/25 10:35	09/02/25 16:16	6010D	SW3050
7439-95-4	Magnesium	5320	*	1	12.3	102	mg/Kg	09/02/25 10:35	09/02/25 16:16	6010D	SW3050
7439-96-5	Manganese	285		1	0.14	1.02	mg/Kg	09/02/25 10:35	09/02/25 16:16	6010D	SW3050
7439-97-6	Mercury	0.021	N	1	0.0080	0.014	mg/Kg	09/03/25 09:16	09/03/25 13:42	7471B	
7440-02-0	Nickel	22.5		1	0.13	2.04	mg/Kg	09/02/25 10:35	09/02/25 16:16	6010D	SW3050
7440-09-7	Potassium	477	N	1	28.3	102	mg/Kg	09/02/25 10:35	09/02/25 16:16	6010D	SW3050
7782-49-2	Selenium	0.27	U	1	0.27	1.02	mg/Kg	09/02/25 10:35	09/02/25 16:16	6010D	SW3050
7440-22-4	Silver	0.36	J	1	0.12	0.51	mg/Kg	09/02/25 10:35	09/02/25 16:16	6010D	SW3050
7440-23-5	Sodium	437	N	1	18.2	102	mg/Kg	09/02/25 10:35	09/02/25 16:16	6010D	SW3050
7440-28-0	Thallium	0.24	U	1	0.24	2.04	mg/Kg	09/02/25 10:35	09/02/25 16:16	6010D	SW3050
7440-62-2	Vanadium	26.8		1	0.26	2.04	mg/Kg	09/02/25 10:35	09/02/25 16:16	6010D	SW3050
7440-66-6	Zinc	32.9		1	0.24	2.04	mg/Kg	09/02/25 10:35	09/02/25 16:16	6010D	SW3050

Color Before:	Brown	Clarity Before:	Texture:	Medium
Color After:	Yellow	Clarity After:	Artifacts:	
Comments:	Bayshore			

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