

Report of Analysis

Client:	PSEG	Date Collected:	09/15/25
Project:	Bayonne Switching Station	Date Received:	09/15/25
Client Sample ID:	FREEZE-PIT-SAMPLES	SDG No.:	Q3105
Lab Sample ID:	Q3105-01	Matrix:	SOIL
Level (low/med):	low	% Solid:	89.8

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	6700		1	0.78	4.62	mg/Kg	09/16/25 10:20	09/16/25 15:53	6010D	SW3050
7440-36-0	Antimony	0.20	UN	1	0.20	2.31	mg/Kg	09/16/25 10:20	09/16/25 15:53	6010D	SW3050
7440-38-2	Arsenic	2.44		1	0.18	0.92	mg/Kg	09/16/25 10:20	09/16/25 15:53	6010D	SW3050
7440-39-3	Barium	75.6	N	1	0.68	4.62	mg/Kg	09/16/25 10:20	09/16/25 15:53	6010D	SW3050
7440-41-7	Beryllium	0.66	N	1	0.023	0.28	mg/Kg	09/16/25 10:20	09/16/25 15:53	6010D	SW3050
7440-43-9	Cadmium	0.54		1	0.022	0.28	mg/Kg	09/16/25 10:20	09/16/25 15:53	6010D	SW3050
7440-70-2	Calcium	1420		1	10.3	92.4	mg/Kg	09/16/25 10:20	09/16/25 15:53	6010D	SW3050
7440-47-3	Chromium	11.2		1	0.043	0.46	mg/Kg	09/16/25 10:20	09/16/25 15:53	6010D	SW3050
7440-48-4	Cobalt	6.93		1	0.092	1.39	mg/Kg	09/16/25 10:20	09/16/25 15:53	6010D	SW3050
7440-50-8	Copper	23.1		1	0.20	0.92	mg/Kg	09/16/25 10:20	09/16/25 15:53	6010D	SW3050
7439-89-6	Iron	14800		1	3.69	4.62	mg/Kg	09/16/25 10:20	09/16/25 15:53	6010D	SW3050
7439-92-1	Lead	9.79		1	0.12	0.55	mg/Kg	09/16/25 10:20	09/16/25 15:53	6010D	SW3050
7439-95-4	Magnesium	2480		1	11.1	92.4	mg/Kg	09/16/25 10:20	09/16/25 15:53	6010D	SW3050
7439-96-5	Manganese	274		1	0.13	0.92	mg/Kg	09/16/25 10:20	09/16/25 15:53	6010D	SW3050
7439-97-6	Mercury	0.011	J	1	0.0080	0.014	mg/Kg	09/16/25 10:29	09/16/25 14:44	7471B	
7440-02-0	Nickel	14.7		1	0.12	1.85	mg/Kg	09/16/25 10:20	09/16/25 15:53	6010D	SW3050
7440-09-7	Potassium	1480		1	25.6	92.4	mg/Kg	09/16/25 10:20	09/16/25 15:53	6010D	SW3050
7782-49-2	Selenium	0.24	UN	1	0.24	0.92	mg/Kg	09/16/25 10:20	09/16/25 15:53	6010D	SW3050
7440-22-4	Silver	0.45	J	1	0.11	0.46	mg/Kg	09/16/25 10:20	09/16/25 15:53	6010D	SW3050
7440-23-5	Sodium	506	N	1	16.4	92.4	mg/Kg	09/16/25 10:20	09/16/25 15:53	6010D	SW3050
7440-28-0	Thallium	0.21	U	1	0.21	1.85	mg/Kg	09/16/25 10:20	09/16/25 15:53	6010D	SW3050
7440-62-2	Vanadium	19.1		1	0.23	1.85	mg/Kg	09/16/25 10:20	09/16/25 15:53	6010D	SW3050
7440-66-6	Zinc	31.6	N	1	0.21	1.85	mg/Kg	09/16/25 10:20	09/16/25 15:53	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