

Report of Analysis

Client:	PSEG	Date Collected:	08/15/25
Project:	New Freedom Switch	Date Received:	08/15/25
Client Sample ID:	BARRICADE	SDG No.:	Q2891
Lab Sample ID:	Q2891-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	50.07	Units:	g
Soil Aliquot Vol:			uL
Extraction Type :		Decanted :	N
Injection Volume :		GPC Factor :	1.0
Prep Method :	SW3541	Level :	LOW
		Test:	SVOC-PAH
		Final Vol:	1000
		GPC Cleanup :	N
		PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143461.D	1	08/19/25 09:15	08/19/25 17:27	PB169299

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
91-20-3	Naphthalene	0.10	U	0.014	0.10	mg/Kg
208-96-8	Acenaphthylene	0.10	U	0.017	0.10	mg/Kg
83-32-9	Acenaphthene	0.10	U	0.013	0.10	mg/Kg
86-73-7	Fluorene	0.10	U	0.015	0.10	mg/Kg
85-01-8	Phenanthrene	0.10	U	0.013	0.10	mg/Kg
120-12-7	Anthracene	0.10	U	0.020	0.10	mg/Kg
206-44-0	Fluoranthene	0.10	U	0.018	0.10	mg/Kg
129-00-0	Pyrene	0.10	U	0.022	0.10	mg/Kg
56-55-3	Benzo(a)anthracene	0.10	U	0.014	0.10	mg/Kg
218-01-9	Chrysene	0.10	U	0.012	0.10	mg/Kg
205-99-2	Benzo(b)fluoranthene	0.10	U	0.011	0.10	mg/Kg
207-08-9	Benzo(k)fluoranthene	0.10	U	0.013	0.10	mg/Kg
50-32-8	Benzo(a)pyrene	0.10	U	0.018	0.10	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.10	U	0.017	0.10	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.10	U	0.016	0.10	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.10	U	0.015	0.10	mg/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	40.0		18 - 107	40%	SPK: 100
321-60-8	2-Fluorobiphenyl	41.9		20 - 109	42%	SPK: 100
1718-51-0	Terphenyl-d14	48.6		10 - 105	49%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	146000	6.928			
1146-65-2	Naphthalene-d8	574000	8.21			
15067-26-2	Acenaphthene-d10	337000	9.963			
1517-22-2	Phenanthrene-d10	570000	11.451			
1719-03-5	Chrysene-d12	296000	14.092			
1520-96-3	Perylene-d12	289000	15.586			

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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products