

Report of Analysis

Client:	PSEG	Date Collected:	08/05/25
Project:	Bridgewater Switch	Date Received:	08/05/25
Client Sample ID:	VNJ-237	SDG No.:	Q2774
Lab Sample ID:	Q2774-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	97.4
Sample Wt/Vol:	10.06	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	SVOC-PAH
	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	1.0	GPC Cleanup : N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143341.D	10	08/06/25 08:54	08/06/25 20:35	PB169138

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
91-20-3	Naphthalene	5.20	U	0.70	5.20	mg/Kg
208-96-8	Acenaphthylene	5.20	U	0.88	5.20	mg/Kg
83-32-9	Acenaphthene	5.20	U	0.65	5.20	mg/Kg
86-73-7	Fluorene	5.20	U	0.77	5.20	mg/Kg
85-01-8	Phenanthrene	5.20	U	0.64	5.20	mg/Kg
120-12-7	Anthracene	5.20	U	1.00	5.20	mg/Kg
206-44-0	Fluoranthene	5.20	U	0.92	5.20	mg/Kg
129-00-0	Pyrene	5.20	U	1.10	5.20	mg/Kg
56-55-3	Benzo(a)anthracene	5.20	U	0.70	5.20	mg/Kg
218-01-9	Chrysene	5.20	U	0.61	5.20	mg/Kg
205-99-2	Benzo(b)fluoranthene	5.20	U	0.58	5.20	mg/Kg
207-08-9	Benzo(k)fluoranthene	5.20	U	0.69	5.20	mg/Kg
50-32-8	Benzo(a)pyrene	5.20	U	0.90	5.20	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	5.20	U	0.89	5.20	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	5.20	U	0.84	5.20	mg/Kg
191-24-2	Benzo(g,h,i)perylene	5.20	U	0.79	5.20	mg/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	29.1		18 - 107	29%	SPK: 100
321-60-8	2-Fluorobiphenyl	48.1		20 - 109	48%	SPK: 100
1718-51-0	Terphenyl-d14	49.9		10 - 105	50%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	96600	6.963			
1146-65-2	Naphthalene-d8	287000	8.245			
15067-26-2	Acenaphthene-d10	137000	9.998			
1517-22-2	Phenanthrene-d10	197000	11.486			
1719-03-5	Chrysene-d12	171000	14.127			
1520-96-3	Perylene-d12	130000	15.645			

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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